

**ComTrade  
Citrix Smart Plug-in  
for HP Software  
(SPI for Citrix)**

*(This version, 03.60, is for use with  
HP Operations Manager for Windows)*

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**Quick Reference Guide**



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## **Edition History**

New editions are complete revisions of the manual. The printing dates for each edition are listed below.

<b>Edition</b>	<b>Date</b>
First Edition	June 2010
Second Edition	December 2010

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## About this Guide

This Quick Reference guide is a supplement to the SPI for Citrix User's Guide that includes the following lists and descriptions:

- Tools and tool groups
- Policies and policy groups
- Data source metrics
- Graphs
- Reports and report groups

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## **SPI for Citrix Tools and Tool Groups**

When you install SPI for Citrix, a new top level tool group is added in the HP Operations Manager administrator GUI. The SPI for Citrix tool group contains all tools, used for managing your Citrix environment

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### **CTXSPI-Application Probing Server**

Tools for managing published application availability.

#### **CTXSPI-APS Configure**

Tools for Application Probing Server configuration.

##### **CTXSPI-Install APS Monitoring**

Installs application availability monitoring components.

Command: CTXSPISwitch.cmd appavailinstall

Execute on: Managed Node

##### **CTXSPI-Uninstall APS Monitoring**

Uninstalls application availability monitoring components.

Command: CTXSPISwitch.cmd appavailuninstall

Execute on: Managed Node

#### **CTXSPI-APS Information**

Tools for managing Application Probing Server information query.

##### **CTXSPI-APS Display Recent Application Availability**

Displays results of the recent application availability measurements. Requires the application availability functionality to be configured and one of the AppAvailStart policies to be deployed.

Command: CTXSPISwitch.cmd appavaildisprecent /minutes:60

Execute on: Managed Node

---

### **CTXSPI-Citrix License Server**

Tools for managing Citrix License Server.

#### **CTXSPI-CLS Discovery**

Tools for performing Citrix License Server service discovery.

##### **CTXSPI-Force Service Model Update**

Forces generation of an OpC message that contains Citrix Infrastructure service model information.

Command: CTXSPISwitch.cmd triggermonitor CTXSPI-DscServiceModel2

Execute on: Managed Node

## **CTXSPI-CLS Information**

Tools for managing Citrix License Server information query.

### **CTXSPI-Display License Checkout Diagnostics**

Displays a Citrix License Server license check-out diagnostics.

Command: CTXSPISwitch.cmd dispclslicdiag

Execute on: Managed Node

### **CTXSPI-Display License Use Details**

Displays a Citrix License Server license use details.

Command: CTXSPISwitch.cmd dispclslicdetail

Execute on: Managed Node

### **CTXSPI-Display License Use Information**

Displays a Citrix License Server license use information.

Command: CTXSPISwitch.cmd dispclslic

Execute on: Managed Node

## **CTXSPI-CLS Services**

Tools for managing Citrix License Server services.

### **CTXSPI-Start Citrix License Server Port Updater Service**

Starts a Citrix License Server Port Updater service.

Command: CTXSPISwitch.cmd startsvc "CtxLSPortSvc"

Execute on: Managed Node

### **CTXSPI-Start Citrix Licensing Service**

Starts a Citrix Licensing service. The Citrix Licensing service provides licenses for Citrix products.

Command: CTXSPISwitch.cmd startsvc "CitrixLicensing"

Execute on: Managed Node

### **CTXSPI-Start Citrix Licensing WMI Service**

Starts a Citrix Licensing WMI service. The Citrix Licensing WMI service provides WMI access to the Citrix license information.

Command: CTXSPISwitch.cmd startsvc "Citrix\_GTLicensingProv"

Execute on: Managed Node

### **CTXSPI-Start License Management Console for Citrix Licensing Service**

Starts a License Management Console for a Citrix Licensing service. The License Management Console for the Citrix Licensing service allows License Management Consoles to connect to the Citrix License server.

Command: CTXSPISwitch.cmd startsvc "CTXLMC"

Execute on: Managed Node

### **CTXSPI-Status Citrix License Server Services**

Shows the status of all Citrix License Server services.

Command: CTXSPISwitch.cmd dispclssvc

Execute on: Managed Node

### **CTXSPI-Stop Citrix License Server Port Updater Service**

Stops a Citrix License Server Port Updater service.

Command: CTXSPISwitch.cmd stopsvc "CtxLSPortSvc"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Licensing Service**

Stops a Citrix Licensing service. The Citrix Licensing service provides licenses for Citrix products.

Command: CTXSPISwitch.cmd stopsvc "CitrixLicensing"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Licensing WMI Service**

Stops a Citrix Licensing WMI service. The Citrix Licensing WMI service provides WMI access to Citrix license information.

Command: CTXSPISwitch.cmd stopsvc "Citrix\_GTLicensingProv"

Execute on: Managed Node

### **CTXSPI-Stop License Management Console for Citrix Licensing Service**

Stops a License Management Console for a Citrix Licensing service. The License Management Console for the Citrix Licensing service allows License Management Consoles to connect to the Citrix License server.

Command: CTXSPISwitch.cmd stopsvc "CTXLMC"

Execute on: Managed Node

---

## **CTXSPI-Desktop Delivery Controller**

Tools for managing Desktop Delivery Controller.

### **CTXSPI-DDC Discovery**

Tools for performing Desktop Delivery Controller service discovery.

### **CTXSPI-Force Service Model Update**

Forces generation of an OpC message that contains Citrix Infrastructure service model information.

Command: CTXSPISwitch.cmd triggermonitor CTXSPI-DscServiceModel2

Execute on: Managed Node

### **CTXSPI-DDC Farm**

Tools for managing Desktop Delivery Controller farm.

#### **CTXSPI-Check Data Store Consistency**

Performs data store consistency check.

Command: dscheck.exe

Execute on: Managed Node

### **CTXSPI-DDC Services**

Tools for managing Desktop Delivery Controller services.

#### **CTXSPI-Start Citrix Desktop Delivery Controller Service**

Starts a Citrix Desktop Delivery Controller service. The service manages connected virtual desktops and their hosted sessions.

Command: CTXSPISwitch.cmd startsvc "CdsController"

Execute on: Managed Node

#### **CTXSPI-Start Citrix Diagnostic Facility COM Server Service**

Starts a Citrix Diagnostic Facility COM Server service. The service manages and controls Citrix diagnostic trace sessions on the system.

Command: CTXSPISwitch.cmd startsvc "CdfSvc"

Execute on: Managed Node

#### **CTXSPI-Start Citrix IMA Proxy Service**

Starts a Citrix IMA Proxy service. The service manages communication to Citrix IMA.

Command: CTXSPISwitch.cmd startsvc "CdsImaProxy"

Execute on: Managed Node

#### **CTXSPI-Start Citrix IMA Service**

Starts a Citrix Independent Management Architecture service. The service provides management services for Citrix products.

Command: CTXSPISwitch.cmd startsvc "IMAService"

Execute on: Managed Node

#### **CTXSPI-Start Citrix Management Server Service**

Starts a Citrix Management Server service. The service provides management services for Citrix servers.

Command: CTXSPISwitch.cmd startsvc "CitrixManagementServer"

Execute on: Managed Node

#### **CTXSPI-Start Citrix MFCOM Service**

Starts a Citrix MFCOM service. The service provides COM access to a Citrix farm.

Command: CTXSPISwitch.cmd startsvc "MFCOM"

Execute on: Managed Node

#### **CTXSPI-Start Citrix Pool Management Service**

Starts a Citrix Pool Management service. The service controls external machines, allowing the Citrix infrastructure to start and stop resources.

Command: CTXSPISwitch.cmd startsvc "ctxpoolmgr"

Execute on: Managed Node

#### **CTXSPI-Start Citrix Services Manager Service**

Starts a Citrix Services Manager service. The service provides Citrix Presentation Server with an interface to the operating system.

Command: CTXSPISwitch.cmd startsvc "IMAAdvanceSrv"

Execute on: Managed Node

#### **CTXSPI-Start Citrix XTE Server Service**

Starts a Citrix XTE Server service. The service services network requests for session reliability and SSL from Citrix components.

Command: CTXSPISwitch.cmd startsvc "CitrixXTEServer"

Execute on: Managed Node

#### **CTXSPI-Status Desktop Delivery Controller Services**

Shows the status of all Desktop Delivery Controller services.

Command: CTXSPISwitch.cmd dispddcsvc

Execute on: Managed Node

#### **CTXSPI-Stop Citrix Desktop Delivery Controller Service**

Stops a Citrix Desktop Delivery Controller service. The service manages connected virtual desktops and their hosted sessions.

Command: CTXSPISwitch.cmd stopsvc "CdsController"

Execute on: Managed Node

#### **CTXSPI-Stop Citrix Diagnostic Facility COM Server Service**

Stops a Citrix Diagnostic Facility COM Server service. The service manages and controls Citrix diagnostic trace sessions on the system.

Command: CTXSPISwitch.cmd stopsvc "CdfSvc"

Execute on: Managed Node

### **CTXSPI-Stop Citrix IMA Proxy Service**

Stops a Citrix IMA Proxy service. The service manages communication to Citrix IMA.

Command: CTXSPISwitch.cmd stopsvc "CdsImaProxy"

Execute on: Managed Node

### **CTXSPI-Stop Citrix IMA Service**

Stops a Citrix Independent Management Architecture service. The service provides management services for Citrix products.

Command: CTXSPISwitch.cmd stopsvc "IMAService"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Management Server Service**

Stops a Citrix Management Server service. The service provides management services for Citrix servers.

Command: CTXSPISwitch.cmd stopsvc "CitrixManagementServer"

Execute on: Managed Node

### **CTXSPI-Stop Citrix MFCOM Service**

Stops a Citrix MFCOM service. The service provides COM access to a Citrix farm.

Command: CTXSPISwitch.cmd stopsvc "MFCOM"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Pool Management Service**

Stops a Citrix Pool Management service. The service controls external machines, allowing the Citrix infrastructure to start and stop resources.

Command: CTXSPISwitch.cmd stopsvc "ctxpoolmgr"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Services Manager Service**

Stops a Citrix Services Manager service. The service provides Citrix Presentation Server with an interface to the operating system.

Command: CTXSPISwitch.cmd stopsvc "IMAAdvanceSrv"

Execute on: Managed Node

### **CTXSPI-Stop Citrix XTE Server Service**

Stops a Citrix XTE Server service. The service services network requests for session reliability and SSL from Citrix components.

Command: CTXSPISwitch.cmd stopsvc "CitrixXTEServer"

Execute on: Managed Node

---

## **CTXSPI-Provisioning Server**

Tools for managing Provisioning Server.



## **CTXSPI-PVS Discovery**

Tools for performing Provisioning Server service discovery.

### **CTXSPI-Force Service Model Update**

Forces generation of an OpC message that contains Citrix Infrastructure service model information.

Command: CTXSPISwitch.cmd triggermonitor CTXSPI-DscServiceModel2

Execute on: Managed Node

## **CTXSPI-PVS Services**

Tools for managing Provisioning Server services.

### **CTXSPI-Start Citrix PVS BOOTP Service**

Starts a Citrix PVS BOOTP (Bootstrap Protocol) service.

Command: CTXSPISwitch.cmd startsvc "BNBOOTP"

Execute on: Managed Node

### **CTXSPI-Start Citrix PVS PXE Service**

Starts a Citrix PVS PXE (Preboot Execution Environment) service.

Command: CTXSPISwitch.cmd startsvc "BNPXE"

Execute on: Managed Node

### **CTXSPI-Start Citrix PVS Ramdisk Server Service**

Starts a Citrix PVS Ramdisk Server service.

Command: CTXSPISwitch.cmd startsvc "BNAbs"

Execute on: Managed Node

### **CTXSPI-Start Citrix PVS Soap Server Service**

Starts a Citrix PVS Soap Server service.

Command: CTXSPISwitch.cmd startsvc "soapserver"

Execute on: Managed Node

### **CTXSPI-Start Citrix PVS Stream Service**

Starts a Citrix PVS Stream service.

Command: CTXSPISwitch.cmd startsvc "StreamService"

Execute on: Managed Node

### **CTXSPI-Start Citrix PVS TFTP Service**

Starts a Citrix PVS TFTP (Trivial File Transfer Protocol) service.

Command: CTXSPISwitch.cmd startsvc "BNTFTP"

Execute on: Managed Node

**CTXSPI-Start Citrix PVS Two-Stage Boot Service**

Starts a Citrix PVS Two-Stage Boot service.

Command: CTXSPISwitch.cmd startsvc "PVSTSB"

Execute on: Managed Node

**CTXSPI-Status Provisioning Server Services**

Shows the status of all Provisioning Server services.

Command: CTXSPISwitch.cmd disppvssvc

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS BOOTP Service**

Stops a Citrix PVS BOOTP (Bootstrap Protocol) service.

Command: CTXSPISwitch.cmd stopsvc "BNBOOTP"

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS PXE Service**

Stops a Citrix PVS PXE (Preboot Execution Environment) service.

Command: CTXSPISwitch.cmd stopsvc "BNPXE"

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS Ramdisk Server Service**

Stops a Citrix PVS Ramdisk Server service.

Command: CTXSPISwitch.cmd stopsvc "BNAbs"

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS Soap Server Service**

Stops a Citrix PVS Soap Server service.

Command: CTXSPISwitch.cmd stopsvc "soapserver"

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS Stream Service**

Stops a Citrix PVS Stream service.

Command: CTXSPISwitch.cmd stopsvc "StreamService"

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS TFTP Service**

Stops a Citrix PVS TFTP (Trivial File Transfer Protocol) service.

Command: CTXSPISwitch.cmd stopsvc "BNTFTP"

Execute on: Managed Node

**CTXSPI-Stop Citrix PVS Two-Stage Boot Service**

Stops a Citrix PVS Two-Stage Boot service.

Command: CTXSPISwitch.cmd stopsvc "PVSTSB"

Execute on: Managed Node

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## **CTXSPI-Secure Gateway**

Tools for managing Secure Gateway.

### **CTXSPI-SG Discovery**

Tools for performing Secure Gateway service discovery.

#### **CTXSPI-Force Service Model Update**

Forces generation of an OpC message that contains Citrix Infrastructure service model information.

Command: CTXSPISwitch.cmd triggermonitor CTXSPI-DscServiceModel2

Execute on: Managed Node

### **CTXSPI-SG Services**

Tools for managing Secure Gateway services.

#### **CTXSPI-Start Secure Gateway Service**

Starts a Citrix Secure Gateway service. The Citrix Secure Gateway service provides secure access to Citrix XenApp servers.

Command: CTXSPISwitch.cmd startsvc "CtxSecGwy"

Execute on: Managed Node

#### **CTXSPI-Status Secure Gateway Service**

Shows the status of a Citrix Secure Gateway service. The Citrix Secure Gateway service provides secure access to Citrix XenApp servers.

Command: CTXSPISwitch.cmd dispmsgsvc

Execute on: Managed Node

#### **CTXSPI-Stop Secure Gateway Service**

Stops a Citrix Secure Gateway service. The Citrix Secure Gateway service provides secure access to Citrix XenApp servers.

Command: CTXSPISwitch.cmd stopsvc "CtxSecGwy"

Execute on: Managed Node

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## **CTXSPI-SPI Maintenance**

Tools for maintaining SPI for Citrix product.

### **CTXSPI-SPI Configure**

Tools for maintaining the SPI for Citrix product.

### **CTXSPI-Configure Application Availability User Accounts**

Configures user accounts that SPI for Citrix uses to probe Application availability in Citrix farms. At least one user account is needed for probing.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPIConfig.exe /tab:app

Execute on: Management Console

### **CTXSPI-Configure Desktop Delivery Controller Farm Administrator Accounts**

Configures Administrator accounts for each Desktop Delivery Controller farm.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPIConfig.exe /tab:ddcadmin

Execute on: Management Console

### **CTXSPI-Configure Provisioning Server Farm Administrator Accounts**

Configures Administrator accounts for each Provisioning Server farm.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPIConfig.exe /tab:pvsadmin

Execute on: Management Console

### **CTXSPI-Configure WI Site, Farm and Broker Availability User Account**

Configures a WI user account that SPI for Citrix uses to probe Web Interface, farm, and XML broker availability. Only one user account is needed for probing.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPIConfig.exe /tab:wi

Execute on: Management Console

### **CTXSPI-Configure XenApp Farm Administrator Accounts**

Configures XenApp farm administrator accounts that SPI for Citrix uses to interact with Citrix farms. Each farm that is managed needs to have exactly one account configured.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPIConfig.exe /tab:farm

Execute on: Management Console

### **CTXSPI-Display Citrix Node Type Version**

Displays the installation status and version of the Citrix product or component on the managed node. Supported node types are: XenApp server, Web Interface, Citrix License Server, Secure Gateway, Desktop Delivery Controller and Provisioning Server.

Command: CTXSPISwitch.cmd dispntver

Execute on: Managed Node

### **CTXSPI-Register Subagent**

Registers a SPI for Citrix subagent with a HPOM agent.

Command: CTXSPISwitch.cmd regsubagt

Execute on: Managed Node

### **CTXSPI-Unregister Subagent**

Unregisters a SPI for Citrix subagent with a HPOM agent.

Command: CTXSPISwitch.cmd unregsubagt

Execute on: Managed Node

## **CTXSPI-SPI Licensing**

Tools for licensing the SPI for Citrix product.

### **CTXSPI-1. Clear License Request File on Mgmt Server**

Clears a SPI for Citrix license request file on a management server. Usually, this is the first step when requesting SPI for Citrix licenses.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPILicensing -clear

Execute on: Management Server

### **CTXSPI-2. Generate License Request for Node**

Generates SPI for Citrix license request information for a managed node. Usually executed on many nodes at once to speed-up generation of license requests. License request information for all nodes is collected on a management server in a single license request file.

Command: CTXSPILicensing -generate -company\_name "your company name"

Execute on: Managed Node

### **CTXSPI-3. Merge License Activation Codes on Mgmt Server**

Merges newly obtained SPI for Citrix license activation codes with the existing license activations. After a successful license merge, the license activation codes are ready to be deployed to SPI for Citrix managed nodes.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPILicensing -merge

Execute on: Management Server

### **CTXSPI-List License Activation Codes**

Lists and counts the existing SPI for Citrix license activation codes on the management server.

Command: \\\$OPC\_MGMTSV\SPI-Share\ctxspi\bin\CTXSPILicensing -list

Execute on: Management Server

## **CTXSPI-SPI Support**

Tools for managing the SPI for Citrix product support.

### **CTXSPI-Check APS Requirements/Configuration**

Checks whether Application availability probing server matches SPI for Citrix requirements and whether it is correctly configured.

Command: CTXSPISwitch.cmd chkaps

Execute on: Managed Node

### **CTXSPI-Check Requirements/Configuration**

Checks whether a managed node matches SPI for Citrix requirements and whether it is correctly configured.

Command: CTXSPIswitch.cmd chkreqall

Execute on: Managed Node

### **CTXSPI-Collect Support Information**

Collects various support information about a Citrix managed node.

Command: CTXSPIswitch.cmd runsupport

Execute on: Managed Node

## **CTXSPI-SPI Uninstall**

Tools for uninstalling the SPI for Citrix product on the managed nodes.

### **CTXSPI-Remove SPI from Managed Node**

Removes all SPI for Citrix files from a managed node and performs all necessary cleanup steps. Run this tool only after you have undeployed all SPI for Citrix policies from the managed node, properly uninstalled Web Interface monitoring, and unregistered SPI for Citrix subagent.

```
Command: cmd.exe /c "if exist  
"%OvAgentDir%\bin\instrumentation\CTXSPIswitch.cmd" (cscript.exe  
"%OvAgentDir%\bin\instrumentation\CTXSPI-RemoveWholeSPI.vbs" -  
removeWholeSPI) else (cscript.exe "%OvAgentDir%\bin\OpC\cmds\CTXSPI-  
RemoveWholeSPI.vbs" -removeWholeSPI)"
```

Execute on: Managed Node

---

## **CTXSPI-Web Interface**

Tools for managing Web Interface.

### **CTXSPI-WI Configure**

Tools for Web Interface management configuration.

#### **CTXSPI-Install WI Monitoring**

Installs SPI for Citrix components for monitoring Web Interface. This operation needs to restart IIS. You must provide an 'allow\_iis\_restart' parameter to allow it. Otherwise, WI Monitoring components are not going to be installed.

Command: CTXSPIswitch.cmd installwi allow\_iis\_restart\_not

Execute on: Managed Node

#### **CTXSPI-Uninstall WI Monitoring**

Uninstalls SPI for Citrix components for monitoring Web Interface. This operation needs to restart IIS. You must provide 'allow\_iis\_restart' as a parameter to allow it. Otherwise, WI Monitoring components are not going to be uninstalled.

Command: CTXSPISwitch.cmd uninstallwi allow\_iis\_restart\_not

Execute on: Managed Node

## **CTXSPI-WI Discovery**

Tools for performing Web Interface service discovery.

### **CTXSPI-Force Service Model Update**

Forces generation of an OpC message that contains Citrix Infrastructure service model information.

Command: CTXSPISwitch.cmd triggermonitor CTXSPI-DscServiceModel2

Execute on: Managed Node

## **CTXSPI-WI Information**

Tools for managing Web Interface information query.

### **CTXSPI-WI Display Last Failed Logins**

Displays users that failed to authenticate to Web Interface in the last x seconds (x is a configurable parameter).

Command: CTXSPISwitch.cmd wilastloginsfailed 300

Execute on: Managed Node

### **CTXSPI-WI Display Last Logins**

Displays all users that logged in to Web Interface in the last x seconds (x is a configurable parameter).

Command: CTXSPISwitch.cmd wilastlogins 300

Execute on: Managed Node

### **CTXSPI-WI Display Last Successful Logins**

Displays users that successfully logged in to Web Interface in the last x seconds (x is a configurable parameter).

Command: CTXSPISwitch.cmd wilastloginsok 300

Execute on: Managed Node

### **CTXSPI-WI Display Recent Broker Availability**

Displays results of the recent broker availability measurements. Requires one of ChkBrokerAvail or LogBrokerAvail policies to be deployed.

Command: CTXSPISwitch.cmd brokavaildisprecent /minutes:15

Execute on: Managed Node

### **CTXSPI-WI Display Recent Farm Availability**

Displays results of the recent farm availability measurements. Requires one of ChkFarmAvail or LogFarmAvail policies to be deployed.

Command: CTXSPISwitch.cmd farmavaildisprecent /minutes:15

Execute on: Managed Node

### **CTXSPI-WI Display Recent Site Availability**

Displays results of the recent Web Interface site availability measurements. Requires one of ChkSiteAvail or LogSiteAvail policies to be deployed.

Command: CTXSPISwitch.cmd siteavaildisprecent /minutes:15

Execute on: Managed Node

### **CTXSPI-WI Execute Site Availability Test**

Executes a site availability test and displays test results.

Command: CTXSPISwitch.cmd siteavailexec

Execute on: Managed Node

---

## **CTXSPI-XenApp**

Tools for managing XenApp.

### **CTXSPI-XA Discovery**

Tools for performing XenApp service discovery.

#### **CTXSPI-Force Service Model Update**

Forces generation of an OpC message that contains Citrix Infrastructure service model information.

Command: CTXSPISwitch.cmd triggermonitor CTXSPI-DscServiceModel2

Execute on: Managed Node

### **CTXSPI-XA Farm**

Tools for managing XenApp farm.

#### **CTXSPI-Check Data Store Consistency**

Performs data store consistency check.

Command: dscheck.exe

Execute on: Managed Node

### **CTXSPI-XA Information**

Tools for managing XenApp information query.

#### **CTXSPI-Display Application Information**

Displays published applications on a XenApp server.

Command: CTXSPISwitch.cmd displapps

Execute on: Managed Node



### **CTXSPI-Display Application Information in Farm**

Displays published application information in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd dispapps

Execute on: Managed Node

### **CTXSPI-Display Application Sessions in Farm**

Displays all users that are currently running a specific published application in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd dispappusers /appname:"<enter\_application\_name>"

Execute on: Managed Node

### **CTXSPI-Display License Information**

Displays Citrix license details (usage and availability).

Command: CTXSPISwitch.cmd displlic

Execute on: Managed Node

### **CTXSPI-Display Logons by User**

Displays logons for a particular user.

Command: CTXSPISwitch.cmd displlogonuser  
/user:<enter\_account\_in\_format\_DOMAIN\USER>

Execute on: Managed Node

### **CTXSPI-Display Number of Servers in Farm**

Displays the number of XenApp servers in a farm to which the selected XenApp server belongs.

Command: CTXSPISwitch.cmd displfarmsrvcnt

Execute on: Managed Node

### **CTXSPI-Display Number of Servers in Zone**

Displays the number of XenApp servers in a zone.

Command: CTXSPISwitch.cmd displzonesrvcnt

Execute on: Managed Node

### **CTXSPI-Display Recent User Logons**

Displays user logons that occurred within a specific time interval.

Command: CTXSPISwitch.cmd displlogonuser /minutes:15

Execute on: Managed Node

### **CTXSPI-Display Server Mode**

Displays data store connection mode (direct/indirect) in which a XenApp server operates.

Command: CTXSPISwitch.cmd displmode

Execute on: Managed Node

### **CTXSPI-Display Session Information**

Displays detailed user session information on a XenApp server.

Command: CTXSPISwitch.cmd displsessions

Execute on: Managed Node

### **CTXSPI-Display Session Information by User**

Displays detailed user session information on a XenApp server, grouped by username.

Command: CTXSPISwitch.cmd displsessbyusr

Execute on: Managed Node

### **CTXSPI-Display Streamed Application Information**

Displays streamed applications in a farm.

Command: CTXSPISwitch.cmd displstreamedapps

Execute on: Managed Node

### **CTXSPI-Display User Profile Information**

Displays information about user profiles.

Command: CTXSPISwitch.cmd dispprofilestatus CTXSPI-DisplayUserProfileInformation

Execute on: Managed Node

### **CTXSPI-Display XenApp Server Information**

Displays details of the selected XenApp server in a farm.

Command: CTXSPISwitch.cmd displsrv

Execute on: Managed Node

### **CTXSPI-Display Zone Information**

Displays zone information of the selected XenApp server.

Command: CTXSPISwitch.cmd displzones

Execute on: Managed Node

### **CTXSPI-Find User Sessions in Farm**

Displays detailed session information of a particular user in a farm.

Command: CTXSPISwitch.cmd dispfarmssess /username:"<enter\_user\_name>"

Execute on: Managed Node

## **CTXSPI-XA Services**

Tools for managing XenApp services.

### **CTXSPI-Start ADF Installer Service**

Starts an ADF Installer service. Service provides support for installing the ADF packages that were created with the Citrix Packager.

Command: CTXSPISwitch.cmd startsvc "ADF Installer"

Execute on: Managed Node

**CTXSPI-Start Citrix 64-bit Virtual Memory Optimization Service**

Starts a Citrix 64-bit Virtual Memory Optimization service. The service dynamically optimizes 64-bit applications running on the system.

Command: CTXSPISwitch.cmd startsvc "Citrix 64-bit Virtual Memory Optimization"

Execute on: Managed Node

**CTXSPI-Start Citrix CPU Utilization Mgmt/Resource Mgmt Service**

Starts a Citrix CPU Utilization Mgmt/Resource Mgmt service. The service manages resource consumption to enforce entitlement policies.

Command: CTXSPISwitch.cmd startsvc ctxcpuSched

Execute on: Managed Node

**CTXSPI-Start Citrix CPU Utilization Mgmt/User-Session Sync Service**

Starts a Citrix CPU Utilization Mgmt/User-Session Sync service. The service synchronizes the CPU Utilization Management user ID of a process with the user ID of the session owner of the process.

Command: CTXSPISwitch.cmd startsvc CTXCPUUsync

Execute on: Managed Node

**CTXSPI-Start Citrix Diagnostic Facility COM Server Service**

Starts a Citrix Diagnostic Facility COM Server service. The service manages and controls Citrix diagnostic trace sessions on the system.

Command: CTXSPISwitch.cmd startsvc "CdfSvc"

Execute on: Managed Node

**CTXSPI-Start Citrix Encryption Service**

Starts a Citrix Encryption service. The service enables secure communication with RC5 128-bit encryption between Citrix Delivery Clients and this Citrix XenApp server.

Command: CTXSPISwitch.cmd startsvc "Citrix Encryption Service"

Execute on: Managed Node

**CTXSPI-Start Citrix End User Experiencing Monitoring Service**

Starts a Citrix End User Experiencing Monitoring service. The service is designed to collect and collate end user experience measurements.

Command: CTXSPISwitch.cmd startsvc "Citrix EUEM"

Execute on: Managed Node

**CTXSPI-Start Citrix Health Monitoring and Recovery Service**

Starts a Citrix Health Monitoring and Recovery service. The service provides Health Monitoring and Recovery services for Citrix XenApp server.

Command: CTXSPISwitch.cmd startsvc "CitrixHealthMon"

Execute on: Managed Node

**CTXSPI-Start Citrix IMA Service**

Starts a Citrix Independent Management Architecture service. The service provides management services for Citrix products.

Command: CTXSPISwitch.cmd startsvc "IMAService"

Execute on: Managed Node

**CTXSPI-Start Citrix MFCOM Service**

Starts a Citrix MFCOM service. The service provides COM access to a Citrix farm.

Command: CTXSPISwitch.cmd startsvc "MFCOM"

Execute on: Managed Node

**CTXSPI-Start Citrix Print Manager Service**

Starts a Citrix Print Manager service. The service supports the Citrix Advanced Universal Printing Architecture.

Command: CTXSPISwitch.cmd startsvc cpsvc

Execute on: Managed Node

**CTXSPI-Start Citrix Services Manager Service**

Starts a Citrix Services Manager service. The service provides Citrix XenApp server with an interface to the operating system.

Command: CTXSPISwitch.cmd startsvc "IMAAdvanceSrv"

Execute on: Managed Node

**CTXSPI-Start Citrix SMA Service**

Starts a Citrix SMA service. The Suite Monitoring and Alerting service watches the event log and WMI for problems and raises alerts in the Access Suite Console or Access Management Console.

Command: CTXSPISwitch.cmd startsvc "Citrix SMA Service"

Execute on: Managed Node

**CTXSPI-Start Citrix Streaming Service**

Starts a Citrix Streaming service. This service manages the Citrix XenApp Plugin for Streamed Apps.

Command: CTXSPISwitch.cmd startsvc "RadeSvc"

Execute on: Managed Node

**CTXSPI-Start Citrix Virtual Memory Optimization Service**

Starts a Citrix Virtual Memory Optimization service. The service dynamically optimizes applications running on the system.

Command: CTXSPISwitch.cmd startsvc "Citrix Virtual Memory Optimization"

Execute on: Managed Node

**CTXSPI-Start Citrix WMI Service**

Starts a Citrix WMI service. The service provides Citrix WMI classes.

Command: CTXSPISwitch.cmd startsvc CitrixWMIService

Execute on: Managed Node

#### **CTXSPI-Start Citrix XML Service**

Starts a Citrix XML service. Citrix XML service services XML data requests sent by Citrix components.

Command: CTXSPISwitch.cmd startsvc CtxHttp

Execute on: Managed Node

#### **CTXSPI-Start Citrix XTE Server Service**

Starts a Citrix XTE Server service. The service services network requests for session reliability and SSL from Citrix components.

Command: CTXSPISwitch.cmd startsvc CitrixXTEServer

Execute on: Managed Node

#### **CTXSPI-Start Client Network Service**

Starts a Client Network service. The service maps client drives and peripherals for access in ICA sessions.

Command: CTXSPISwitch.cmd startsvc CdmService

Execute on: Managed Node

#### **CTXSPI-Start Encryption Service**

Starts an Encryption service. The service enables secure communication with RC5 128-bit encryption between Citrix ICA Clients and a MetaFrame Presentation Server.

Command: CTXSPISwitch.cmd startsvc "Encryption Service"

Execute on: Managed Node

#### **CTXSPI-Start Netlogon Service**

Starts a Netlogon service. The service maintains a secure channel between the computer and the domain controller for authenticating users and services.

Command: CTXSPISwitch.cmd startsvc Netlogon

Execute on: Managed Node

#### **CTXSPI-Start Resource Manager Mail Service**

Starts a Resource Manager Mail service. The service provides mail support for Resource Manager.

Command: CTXSPISwitch.cmd startsvc ResourceManagerMail

Execute on: Managed Node

#### **CTXSPI-Start Spooler Service**

Starts a Spooler service. The service manages all local and network print queues and controls all printing jobs.

Command: CTXSPISwitch.cmd startsvc Spooler

Execute on: Managed Node

### **CTXSPI-Start SSL Server Relay Service**

Starts a SSL Server Relay service. The service enables SSL-secured communication to the relay with configurable forwarding of the decrypted data using SOCKSv5.

Command: CTXSPISwitch.cmd startsvc "Citrix SSL Relay"

Execute on: Managed Node

### **CTXSPI-Start Terminal Services Configuration Service**

Starts a Terminal Services Configuration service. The service is responsible for all Terminal Services and Remote Desktop related configuration and session maintenance activities that require SYSTEM context. These include per-session temporary folders, TS themes, and TS certificates.

Command: CTXSPISwitch.cmd startsvc SessionEnv

Execute on: Managed Node

### **CTXSPI-Start Terminal Services Service**

Starts a Terminal Services service. The service allows users to connect interactively to the system.

Command: CTXSPISwitch.cmd startsvc TermService

Execute on: Managed Node

### **CTXSPI-Start Terminal Services Session Directory Service**

Starts a Terminal Services Session Directory service. The service enables a user connection request to be routed to the appropriate Terminal Server in a cluster.

Command: CTXSPISwitch.cmd startsvc Tssdis

Execute on: Managed Node

### **CTXSPI-Start Terminal Services UserMode Port Redirector Service**

Starts a Terminal Services UserMode Port Redirector service. The service allows the redirection of printers/drives/ports for RDP connections.

Command: CTXSPISwitch.cmd startsvc UmRdpService

Execute on: Managed Node

### **CTXSPI-Status OS and Terminal Server Services**

Shows the status of relevant Microsoft Windows and Terminal Server services.

Command: CTXSPISwitch.cmd dispostssvc

Execute on: Managed Node

### **CTXSPI-Status XenApp Server Services**

Shows the status of all XenApp server services.

Command: CTXSPISwitch.cmd dispssvc

Execute on: Managed Node

### **CTXSPI-Stop ADF Installer Service**

Stops an ADF Installer service. The service provides support for installing ADF packages that were created with the Citrix Packager.

Command: CTXSPISwitch.cmd stopsvc "ADF Installer"

Execute on: Managed Node

### **CTXSPI-Stop Citrix 64-bit Virtual Memory Optimization Service**

Stops a Citrix 64-bit Virtual Memory Optimization service. The service dynamically optimizes 64-bit applications running on the system.

Command: CTXSPISwitch.cmd stopsvc "Citrix 64-bit Virtual Memory Optimization"

Execute on: Managed Node

### **CTXSPI-Stop Citrix CPU Utilization Mgmt/Resource Mgmt Service**

Stops a Citrix CPU Utilization Mgmt/Resource Mgmt service. The service manages resource consumption to enforce entitlement policies.

Command: CTXSPISwitch.cmd stopsvc ctxcpuSched

Execute on: Managed Node

### **CTXSPI-Stop Citrix CPU Utilization Mgmt/User-Session Sync Service**

Stops a Citrix CPU Utilization Mgmt/User-Session Sync service. The service synchronizes the CPU Utilization Management user ID of a process with the user ID of the session owner of the process.

Command: CTXSPISwitch.cmd stopsvc CTXCPUUsync

Execute on: Managed Node

### **CTXSPI-Stop Citrix Diagnostic Facility COM Server Service**

Stops a Citrix Diagnostic Facility COM Server service. The service manages and controls Citrix diagnostic trace sessions on the system.

Command: CTXSPISwitch.cmd stopsvc "CdfSvc"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Encryption Service**

Stops a Citrix Encryption service. The service enables secure communication with RC5 128-bit encryption between Citrix Delivery Clients and this Citrix XenApp server.

Command: CTXSPISwitch.cmd stopsvc "Citrix Encryption Service"

Execute on: Managed Node

### **CTXSPI-Stop Citrix End User Experiencing Monitoring Service**

Stops a Citrix End User Experiencing Monitoring service. The service is design to collect and collate end user experience measurements.

Command: CTXSPISwitch.cmd stopsvc "Citrix EUEM"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Health Monitoring and Recovery Service**

Stops a Citrix Health Monitoring and Recovery service. The service provides Health Monitoring and Recovery services for Citrix XenApp server.

Command: CTXSPISwitch.cmd stopsvc "CitrixHealthMon"

Execute on: Managed Node

### **CTXSPI-Stop Citrix IMA Service**

Stops a Citrix Independent Management Architecture service. The service provides management services for Citrix products.

Command: CTXSPISwitch.cmd stopsvc "IMAService"

Execute on: Managed Node

### **CTXSPI-Stop Citrix MFCOM Service**

Stops a Citrix MFCOM service. The service provides COM access to a Citrix farm.

Command: CTXSPISwitch.cmd stopsvc "MFCOM"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Print Manager Service**

Stops a Citrix Print Manager service. The service supports the Citrix Advanced Universal Printing Architecture.

Command: CTXSPISwitch.cmd stopsvc cpsvc

Execute on: Managed Node

### **CTXSPI-Stop Citrix Services Manager Service**

Stops a Citrix Services Manager service. The service provides Citrix XenApp server with an interface to the operating system.

Command: CTXSPISwitch.cmd stopsvc "IMAAdvanceSrv"

Execute on: Managed Node

### **CTXSPI-Stop Citrix SMA Service**

Stops a Citrix SMA service. The Suite Monitoring and Alerting service watches the event log and WMI for problems and raises alerts in the Access Suite Console or Access Management Console.

Command: CTXSPISwitch.cmd stopsvc "Citrix SMA Service"

Execute on: Managed Node

### **CTXSPI-Stop Citrix Streaming Service**

Stops a Citrix Streaming service. This service manages the Citrix XenApp Plugin for Streamed Apps.

Command: CTXSPISwitch.cmd stopsvc "RadeSvc"

Execute on: Managed Node



### **CTXSPI-Stop Citrix Virtual Memory Optimization Service**

Stops a Citrix Virtual Memory Optimization service. The service dynamically optimizes applications running on the system.

Command: CTXSPISwitch.cmd stopsvc "Citrix Virtual Memory Optimization"

Execute on: Managed Node

### **CTXSPI-Stop Citrix WMI Service**

Stops a Citrix WMI service. The service provides Citrix WMI classes.

Command: CTXSPISwitch.cmd stopsvc CitrixWMIService

Execute on: Managed Node

### **CTXSPI-Stop Citrix XML Service**

Stops a Citrix XML service. The Citrix XML service services XML data requests sent by Citrix components.

Command: CTXSPISwitch.cmd stopsvc CtxHttp

Execute on: Managed Node

### **CTXSPI-Stop Citrix XTE Server Service**

Stops a Citrix XTE Server service. The service services network requests for session reliability and SSL from Citrix components.

Command: CTXSPISwitch.cmd stopsvc CitrixXTEServer

Execute on: Managed Node

### **CTXSPI-Stop Client Network Service**

Stops a Client Network service. The service maps client drives and peripherals for access in ICA sessions.

Command: CTXSPISwitch.cmd stopsvc CdmService

Execute on: Managed Node

### **CTXSPI-Stop Encryption Service**

Stops an Encryption service. The service enables secure communication with RC5 128-bit encryption between Citrix ICA Clients and a MetaFrame Presentation Server.

Command: CTXSPISwitch.cmd stopsvc "Encryption Service"

Execute on: Managed Node

### **CTXSPI-Stop Netlogon Service**

Stops a Netlogon service. The service maintains a secure channel between the computer and the domain controller for authenticating users and services.

Command: CTXSPISwitch.cmd stopsvc Netlogon

Execute on: Managed Node

### **CTXSPI-Stop Resource Manager Mail Service**

Stops a Resource Manager Mail service. The service provides mail support for Resource Manager.

Command: CTXSPISwitch.cmd stopsvc ResourceManagerMail

Execute on: Managed Node

#### **CTXSPI-Stop Spooler Service**

Stops a Spooler service. The service manages all local and network print queues and controls all printing jobs.

Command: CTXSPISwitch.cmd stopsvc Spooler

Execute on: Managed Node

#### **CTXSPI-Stop SSL Server Relay Service**

Stops a SSL Server Relay service. The service enables SSL-secured communication to the relay with configurable forwarding of the decrypted data using SOCKSv5.

Command: CTXSPISwitch.cmd stopsvc "Citrix SSL Relay"

Execute on: Managed Node

#### **CTXSPI-Stop Terminal Services Configuration Service**

Stops a Terminal Services Configuration service. The service is responsible for all Terminal Services and Remote Desktop related configuration and session maintenance activities that require SYSTEM context. These include per-session temporary folders, TS themes, and TS certificates.

Command: CTXSPISwitch.cmd stopsvc SessionEnv

Execute on: Managed Node

#### **CTXSPI-Stop Terminal Services Service**

Stops a Terminal Services service. The service allows users to connect interactively to the system.

Command: CTXSPISwitch.cmd stopsvc TermService

Execute on: Managed Node

#### **CTXSPI-Stop Terminal Services Session Directory Service**

Stops a Terminal Services Session Directory service. The service enables a user connection request to be routed to the appropriate Terminal Server in a cluster.

Command: CTXSPISwitch.cmd stopsvc Tssdis

Execute on: Managed Node

#### **CTXSPI-Stop Terminal Services UserMode Port Redirector Service**

Stops a Terminal Services UserMode Port Redirector service. The service allows the redirection of printers/drives/ports for RDP connections.

Command: CTXSPISwitch.cmd stopsvc UmRdpService

Execute on: Managed Node

---

## **CTXSPI-XA Session Control**

Tools for managing XenApp sessions.

## **CTXSPI-XA Disconnect**

Tools for managing XenApp session disconnect.

### **CTXSPI-Disconnect All Application Sessions in Farm**

Disconnects all user sessions that are currently running a specific published application in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd discappsess /appname:\ "<enter\_application\_name>\"

Execute on: Managed Node

### **CTXSPI-Disconnect All Sessions in Farm**

Disconnects all user sessions in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd disconnectfarm

Execute on: Managed Node

### **CTXSPI-Disconnect All Sessions in Zone**

Disconnects all user sessions in a zone. It is enough to select only one XenApp server from the zone.

Command: CTXSPISwitch.cmd disconnectzone

Execute on: Managed Node

### **CTXSPI-Disconnect All Sessions on Server**

Disconnects all user sessions on a XenApp server.

Command: CTXSPISwitch.cmd disconnectserver

Execute on: Managed Node

### **CTXSPI-Disconnect Farm Sessions by Username**

Disconnects all user sessions in a farm. You need to specify a username and select a XenApp server from the farm.

Command: CTXSPISwitch.cmd disconnectuser type\_username\_here

Execute on: Managed Node

### **CTXSPI-Disconnect Server Session by Name**

Disconnects a user session on a XenApp server. You need to specify a session name and select a XenApp server.

Command: CTXSPISwitch.cmd disconnectsession type\_session\_name\_here

Execute on: Managed Node

## **CTXSPI-XA Logoff**

Tools for managing XenApp session logoff.

### **CTXSPI-Logoff All Application Sessions in Farm**

Logs off all user sessions that are currently running a specific published application in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd logoffappsess /appname:\"<enter\_application\_name>\"  
Execute on: Managed Node

#### **CTXSPI-Logoff All Sessions in Farm**

Logs off all sessions in a farm. You need to select a XenApp server from the farm.  
Command: CTXSPISwitch.cmd logofffarm  
Execute on: Managed Node

#### **CTXSPI-Logoff All Sessions in Zone**

Logs off all sessions in a zone. You need to select a XenApp server from the zone.  
Command: CTXSPISwitch.cmd logoffzone  
Execute on: Managed Node

#### **CTXSPI-Logoff All Sessions on Server**

Logs off all sessions on a XenApp server. You need to select a XenApp server.  
Command: CTXSPISwitch.cmd logoffserver  
Execute on: Managed Node

#### **CTXSPI-Logoff Farm Sessions by Username**

Logs off all user sessions in a farm. You need to specify a username and select a XenApp server from the farm.  
Command: CTXSPISwitch.cmd logoffuser type\_username\_here  
Execute on: Managed Node

#### **CTXSPI-Logoff Server Session by Name**

Logs off a session on a Citrix XenApp server. You need to specify a session name and select a XenApp server.  
Command: CTXSPISwitch.cmd logoffsession type\_session\_name\_here  
Execute on: Managed Node

### **CTXSPI-XA Logon Control**

Tools for managing XenApp session logon control.

#### **CTXSPI-Disable Application in Farm**

Disables a published application in a farm. It is enough to select only one XenApp server from the farm.  
Command: CTXSPISwitch.cmd disableapp /appname:\"<enter\_application\_name>\"  
Execute on: Managed Node

#### **CTXSPI-Disable Logons to Farm**

Disables logons to a farm. You need to execute this tool on a XenApp server that is part of the farm.  
Command: CTXSPISwitch.cmd logonfarm disable

Execute on: Managed Node

#### **CTXSPI-Disable Logons to Server**

Disables logons to a server. You need to execute this tool on a XenApp server.

Command: CTXSPISwitch.cmd logonserver disable

Execute on: Managed Node

#### **CTXSPI-Disable Logons to Zone**

Disables logons to a zone. You need to execute this tool on a XenApp server that is part of the zone.

Command: CTXSPISwitch.cmd logonzone disable

Execute on: Managed Node

#### **CTXSPI-Enable Application in Farm**

Enables published application in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd enableapp /appname:"<enter\_application\_name>"

Execute on: Managed Node

#### **CTXSPI-Enable Logons to Farm**

Enables logons to a farm. You need to execute this tool on a XenApp server that is part of the farm.

Command: CTXSPISwitch.cmd logonfarm enable

Execute on: Managed Node

#### **CTXSPI-Enable Logons to Server**

Enables logons to a server. You need to execute this tool on a XenApp server.

Command: CTXSPISwitch.cmd logonserver enable

Execute on: Managed Node

#### **CTXSPI-Enable Logons to Zone**

Enables logons to a zone. You need to execute this tool on a XenApp server that is part of the zone.

Command: CTXSPISwitch.cmd logonzone enable

Execute on: Managed Node

#### **CTXSPI-Status of Logons to Farm**

Shows whether logons are enabled or disabled for each XenApp server in a farm. You need to execute this tool on a XenApp server that is part of the farm.

Command: CTXSPISwitch.cmd logonfarm status

Execute on: Managed Node

### **CTXSPI-Status of Logons to Server**

Shows whether logons are enabled or disabled on a XenApp server. You need to execute this tool on a XenApp server.

Command: CTXSPISwitch.cmd logonserver status

Execute on: Managed Node

### **CTXSPI-Status of Logons to Zone**

Shows whether logons are enabled or disabled for each XenApp server in a zone. You need to execute this tool on a XenApp server that is part of the zone.

Command: CTXSPISwitch.cmd logonzone status

Execute on: Managed Node

## **CTXSPI-XA Reset**

Tools for managing XenApp session reset.

### **CTXSPI-Reset Session**

Resets a user session on a XenApp server. You need to specify a session name and select a XenApp server.

Command: CTXSPISwitch.cmd resetsession type\_session\_name\_here

Execute on: Managed Node

### **CTXSPI-Reset Session by ID**

Resets a user session on a XenApp server. You need to specify a session id and select a XenApp server.

Command: CTXSPISwitch.cmd resetsessionid type\_session\_id\_here

Execute on: Managed Node

## **CTXSPI-XA Send Message**

Tools for managing XenApp messages sent to session.

### **CTXSPI-Send Message to Application Sessions in Farm**

Sends a message to all user sessions that are currently running a specific published application in a farm. It is enough to select only one XenApp server from the farm.

Command: CTXSPISwitch.cmd sendmsgappsess  
/appname:\"<enter\_application\_name>\" /message:\"<enter\_message>\"

Execute on: Managed Node

### **CTXSPI-Send Message to Farm Sessions**

Sends a message to all user sessions in a farm. You need to specify a message text and select a XenApp server that is part of the farm.

Command: CTXSPISwitch.cmd sendmsgfarm \"Type message here, leave both backslash-quotes intact\"

Execute on: Managed Node

### **CTXSPI-Send Message to Server Sessions**

Sends a message to all user sessions on a XenApp server. You need to specify a message text and select a XenApp server.

Command: CTXSPISwitch.cmd sendmsgserver \`"Type message here, leave both backslash-quotes intact"`

Execute on: Managed Node

### **CTXSPI-Send Message to Session**

Sends a message to a user session on a XenApp server. You need to specify a session name, message text, and select a XenApp server.

Command: CTXSPISwitch.cmd sendmsgsession `type_session_name_here` \`"Type message here, leave both backslash-quotes intact"`

Execute on: Managed Node

### **CTXSPI-Send Message to User Sessions**

Sends a message to all user sessions in a farm. You need to specify a username, message text, and execute a tool on a XenApp server that is part of the farm.

Command: CTXSPISwitch.cmd sendmsguser `type_username_here` \`"Type message here, leave both backslash-quotes intact"`

Execute on: Managed Node

### **CTXSPI-Send Message to Zone Sessions**

Sends a message to all user sessions in a zone. You need to specify a message text and select a XenApp server that is part of the zone.

Command: CTXSPISwitch.cmd sendmsgzone \`"Type message here, leave both backslash-quotes intact"`

Execute on: Managed Node

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## SPI for Citrix Policies and Policy Groups

When you install SPI for Citrix, a new top level policy group is added in the HP Operations Manager administrator GUI. The SPI for Citrix policy group contains all policies, used for managing your Citrix environment.

When you use SPI for Citrix, policies are grouped by their purpose. This structure helps you to quickly find the policies that you need to assign.

SPI for Citrix provides four types of policies:

- Schedule policies
- Logfile policies
- Message policies
- Monitor policies

Citrix servers incorporate several Windows Services. Failure on a system could prevent a service from starting, or could terminate it, which could lead to inoperability of the Citrix server. Therefore, such events need to be reported. SPI for Citrix monitors Citrix Windows Services and in case of failure sends alerts. These messages include information about the service and its purpose, the impact of its failure, and provide instructions for corrective action.

Policies for monitoring Citrix sessions monitor status and performance of Citrix sessions on the Citrix servers.

Policies for logging extended performance data collect extended performance metrics for all Citrix service processes. In addition, these policies also log server farm membership and session data.

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## CTXSPI-Application Probing Server

### CTXSPI-APS Additional

#### **CTXSPI-ChkAppAvailICATime**

Monitors the time required for the ICA part of the application availability test to be completed. Needs to be deployed with one of the AppAvailStart policies.

Execute every: 5m

Command line: CTXSPIswitch.cmd appavailicatime CTXSPI-ChkAppAvailICATime

Rules:

Description: major

Threshold: 360000

Severity: Major



Description: time-out  
Treshold: 1000000000  
Severity: Major

Description: warning  
Treshold: 180000  
Severity: Warning

Description: minor  
Treshold: 240000  
Severity: Minor

#### **CTXSPI-ChkAppAvailWITime**

Monitors the time required for the Web Interface part of the application availability test to be completed. Needs to be deployed with one of the AppAvailStart policies.

Execute every: 5m

Command line: CTXSPIswitch.cmd appavailwitime CTXSPI-ChkAppAvailWITime

Rules:

Description: major  
Treshold: 300000  
Severity: Major

Description: time-out  
Treshold: 1000000000  
Severity: Major

Description: warning  
Treshold: 120000  
Severity: Warning

Description: minor  
Treshold: 240000  
Severity: Minor

#### **CTXSPI-AppAvailStartAllApps**

Starts all specified published applications (sequentially) in the specified time interval.

Execute on:

Minute: 9

Hour: 9

Command line: CTXSPIswitch.cmd appavailstartall /user:<enter\_username\_here>  
/pause:60 /url:<enter\_site\_url\_here> /login:submit

#### **CTXSPI-AppAvailStartNextApp**

Starts the next application from the specified set of published applications in the specified time interval.

Execute on:

Minute: 4,9,14,19,24,29,34,39,44,49,54,59

Hour: 0-23

Command line: CTXSPIswitch.cmd appavailstartnext /user:<enter\_username\_here>  
/url:<enter\_site\_url\_here> /login:submit

### **CTXSPI-APS Data Collection**

#### **CTXSPI-LogAppAvail**

Logs performance information of the application availability test. Needs to be deployed with one of the AppAvailStart policies.

Execute on:

Minute: 3,18,33,48

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIAvailLog.cmd logappavail

### **CTXSPI-APS Quick Start**

#### **CTXSPI-ChkAppAvail**

Monitors the duration of application(s) availability. Needs to be deployed with one of the AppAvailStart policies.

Execute every: 5m

Command line: CTXSPIswitch.cmd appavailchk CTXSPI-ChkAppAvail

Rules:

Description: major

Treshold: 660000

Severity: Major

Description: time-out

Treshold: 1000000000

Severity: Major

Description: warning

Treshold: 300000

Severity: Warning

Description: minor

Treshold: 480000

Severity: Minor

#### **CTXSPI-ChkAppAvailCompleted**

Monitors whether all phases of application availability have completed successfully. Needs to be deployed with one of the AppAvailStart policies.

Execute every: 5m

Command line: CTXSPIswitch.cmd appavailchkcomplete CTXSPI-ChkAppAvailCompleted

Rules:

Description: major

Treshold: 4

Severity: Major

---

## **CTXSPI-Citrix License Server**

### **CTXSPI-CLS Additional**

#### **CTXSPI-FwdCitrixLSAppInfo**

Forwards all Citrix License Server Application informational event log entries

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards info CITRIX\_LicenseServer

Severity: Normal

Description: forwards info CTXLMC

Severity: Normal

Description: forwards info lmgrd\_LicenseServer

Severity: Normal

### **CTXSPI-CLS Data Collection**

#### **CTXSPI-LogCitrixLSLicenseUse**

Logs Citrix License Server license use information.

Execute on:

Minute: 3,8,13,18,23,28,33,38,43,48,53,58

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPILsluLog.cmd

### **CTXSPI-CLS Discovery**

#### **CTXSPI-ChkServiceModel**

Periodically checks Citrix service model and sends message if any changes to model occurred. Automatic action uploads new model.

Execute every: 24h

Command line: CTXSPISwitch.cmd chkmodel CTXSPI-ChkServiceModel

Rules:

Description: No previous service model information exists (COMP returns ERRORLEVEL == 2)

Treshold: 2

Severity: Warning

Description: Service model has changed (COMP returns ERRORLEVEL == 1)

Treshold: 1

Severity: Warning

#### **CTXSPI-DscServiceModel2**

Retrieve external signal to trigger Citrix Infrastructure service map discovery

Rules:

Description: Autodiscovery

Treshold: 1

Severity: Warning

### **CTXSPI-CLS Quick Start**

#### **CTXSPI-ChkCitrixLSLicenseUse**

Monitors Citrix License Server license use.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkclslic CTXSPI-ChkCitrixLSLicenseUse

Rules:

Description: major

Threshold: 98

Severity: Major

Description: warning

Threshold: 95

Severity: Warning

### **CTXSPI-ChkCitrixLSServices**

Monitors Citrix License Server services.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkclssvc CTXSPI-ChkCitrixLSServices

Rules:

Object: Citrix Licensing

Description: Not running

Threshold: 0

Severity: Critical

Object: Citrix Licensing

Description: Not installed

Threshold: 2

Severity: Critical

Object: Citrix Licensing

Description: Running

Threshold: 1

Severity: Normal

Object: Citrix\_GTLicensingProv

Description: Running

Threshold: 1

Severity: Normal

Object: Citrix\_GTLicensingProv

Description: Not running

Threshold: 0  
Severity: Minor

Object: CitrixLicensing  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CitrixLicensing  
Description: Not installed  
Threshold: 2  
Severity: Critical

Object: CitrixLicensing  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CTXLMC  
Description: Not running  
Threshold: 0  
Severity: Major

Object: CTXLMC  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CtxLSPortSvc  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CtxLSPortSvc  
Description: Running  
Threshold: 1  
Severity: Normal

#### **CTXSPI-FwdCitrixLSAppWarnError**

Forwards all Citrix License Server Application warning / error event log entries

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards warning/error CITRIX\_LicenseServer

Severity: Warning Critical

Description: forwards warning/error CTXLMC

Severity: Warning Critical

Description: forwards warning/error lmgrd\_LicenseServer

Severity: Warning Critical

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## **CTXSPI-Desktop Delivery Controller**

### **CTXSPI-DDC Additional**

#### **CTXSPI-ChkDataStoreConsistency**

Monitors the farm's Data Store consistency.

Execute every: 23h

Command line: CTXSPISwitch.cmd chkdscons CTXSPI-ChkDataStoreConsistency

Rules:

Description: Data Store inconsistent

Treshold: 1

Severity: Major

#### **CTXSPI-ChkIdleDesktops**

Monitors the number of idle desktops in each desktop group in a farm.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkidledesktops CTXSPI-ChkIdleDesktops all

Rules:

Description: Warning

Treshold: 10

Severity: Warning

#### **CTXSPI-ChkNumberOfUsers**

Monitors the number of currently connected users in a farm.

Execute every: 5m10s

Command line: CTXSPIswitch.cmd chknumofusers CTXSPI-ChkNumberOfUsers

Rules:

Description: Warning

Threshold: 1000

Severity: Warning

#### **CTXSPI-ChkUnassignedDesktops**

Monitors the number of unassigned virtual desktops in a desktop group.

Execute every: 5m15s

Command line: CTXSPIswitch.cmd chkunassigned CTXSPI-ChkUnassignedDesktops

Rules:

Description: Warning

Threshold: 10

Severity: Warning

#### **CTXSPI-ChkXDSessionsActive**

Monitors the number of active XenDesktop sessions in a farm.

Execute every: 5m15s

Command line: CTXSPIswitch.cmd chkxdsessionsactive CTXSPI-ChkXDSessionsActive

Rules:

Description: Warning

Threshold: 1000

Severity: Warning

#### **CTXSPI-ChkXDSessionsAll**

Monitors the number of all XenDesktop sessions in a farm.

Execute every: 5m20s

Command line: CTXSPIswitch.cmd chkxdsessionsall CTXSPI-ChkXDSessionsAll

Rules:

Description: Warning

Threshold: 1000

Severity: Warning

#### **CTXSPI-ChkXDSessionsDisconnected**

Monitors the number of disconnected XenDesktop sessions in a farm.



Execute every: 5m25s

Command line: CTXSPIswitch.cmd chkxdsessionsdiscon CTXSPI-ChkXDSessionsDisconnected

Rules:

Description: Warning

Treshold: 100

Severity: Warning

#### **CTXSPI-ChkXDSessionsGroupActive**

Monitors the number of active XenDesktop sessions in a group.

Execute every: 5m16s

Command line: CTXSPIswitch.cmd chkxdsessiongroupactive CTXSPI-ChkXDSessionsGroupActive all

Rules:

Description: normal

Treshold: 0

Severity: Normal

Description: warning

Treshold: 300

Severity: Warning

#### **CTXSPI-ChkXDSessionsGroupAll**

Monitors the number of all XenDesktop sessions in a group.

Execute every: 5m21s

Command line: CTXSPIswitch.cmd chkxdsessiongroupall CTXSPI-ChkXDSessionsGroupAll all

Rules:

Description: normal

Treshold: 0

Severity: Normal

Description: warning

Treshold: 300

Severity: Warning

**CTXSPI-ChkXDSessionsGroupDisconnected**

Monitors the number of disconnected XenDesktop sessions in a group.

Execute every: 5m26s

Command line: CTXSPISwitch.cmd chkxdsessiongroupdiscon CTXSPI-ChkXDSessionsGroupDisconnected all

Rules:

Description: normal

Treshold: 0

Severity: Normal

Description: warning

Treshold: 30

Severity: Warning

**CTXSPI-FwdCitrixDDCAppInfo**

Forwards all Citrix Desktop Delivery Controller Application informational event log entries.

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards informational Citrix Configuration Logging

Severity: Normal

Description: forwards informational Citrix Desktop Delivery Controller

Severity: Normal

Description: forwards informational Citrix IMA Proxy Service

Severity: Normal

Description: forwards informational Citrix Pool Management Service

Severity: Normal

Description: forwards informational Citrix Web Interface

Severity: Normal

Description: forwards informational CitrixHealthMon

Severity: Normal

Description: forwards informational CitrixManagementServer

Severity: Normal

Description: forwards informational CtxSbxAppMsg

Severity: Normal

Description: forwards informational MetaframeEvents

Severity: Normal

Description: forwards informational Reliability Server

Severity: Normal

Description: forwards informational twpopup

Severity: Normal

Description: forwards informational wxica

Severity: Normal

Description: forwards informational XenApp Services

Severity: Normal

#### **CTXSPI-FwdCitrixDDCSysInfo**

Forwards all Citrix Desktop Delivery Controller System informational event log entries.

Event log name: %SYSTEM\_LOG%

Rules:

Description: forwards informational CPSLicensing

Severity: Normal

Description: forwards informational CtxSbx

Severity: Normal

Description: forwards informational IMABrowserSS

Severity: Normal

Description: forwards informational IMAService

Severity: Normal

Description: forwards informational MetaFrame

Severity: Normal

### **CTXSPI-DDC Data Collection**

#### **CTXSPI-DDCServicesLogging**

Logs the selected performance data for Citrix Desktop Delivery Controller services.

Execute on:

Minute: 2,7,12,17,22,27,32,37,42,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_DDCSVCS

#### **CTXSPI-LogDDCConfig**

Logs a specific configuration information for a Desktop Delivery Controller.

Execute on:

Minute: 9

Hour: 0-23

Command line: CTXSPIDDCFarmLog.cmd

#### **CTXSPI-LogDDCUtil**

Logs Desktop Delivery Controller usage metrics.

Execute on:

Minute: 3,8,13,18,23,28,33,38,43,48,53,58

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIDDCLog.cmd

### **CTXSPI-DDC Discovery**

#### **CTXSPI-ChkServiceModel**

Periodically checks Citrix service model and sends message if any changes to model occurred. Automatic action uploads new model.

Execute every: 24h

Command line: CTXSPISwitch.cmd chkmodel CTXSPI-ChkServiceModel

Rules:

Description: No previous service model information exists (COMP returns ERRORLEVEL == 2)

Treshold: 2

Severity: Warning

Description: Service model has changed (COMP returns ERRORLEVEL == 1)

Treshold: 1

Severity: Warning

#### **CTXSPI-DscServiceModel2**

Retrieve external signal to trigger Citrix Infrastructure service map discovery

Rules:

Description: Autodiscovery

Treshold: 1

Severity: Warning

### **CTXSPI-DDC Quick Start**

## **CTXSPI-DDC Desktops**

### **CTXSPI-ChkDesktopUtilization**

Monitors desktop utilization for each desktop group in a farm.

Execute every: 5m10s

Command line: CTXSPISwitch.cmd chkdesktoputil CTXSPI-ChkDesktopUtilization

Rules:

Description: Major

Treshold: 98

Severity: Major

Description: Warning

Treshold: 90

Severity: Warning

### **CTXSPI-ChkNotRegisteredDesktops**

Monitors started virtual desktops that are not registered on DDC.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkunregistered CTXSPI-ChkNotRegisteredDesktops

Rules:

Description: Warning - Desktop not registered

Treshold: 1

Severity: Warning

## **CTXSPI-DDC Services**

### **CTXSPI-ChkDDCServices**

Monitors mandatory and optional Citrix Desktop Delivery Controller services.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkddcservices CTXSPI-ChkDDCServices

Rules:

Object: CdfSvc

Description: Not running

Treshold: 0

Severity: Critical

Object: CdfSvc

Description: Running  
Threshold: 1  
Severity: Normal

Object: CdsController  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CdsController  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CdsImaProxy  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CdsImaProxy  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CitrixManagementServer  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CitrixManagementServer  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CitrixXTEServer  
Description: Not running  
Threshold: 0

Severity: Critical

Object: CitrixXTEServer

Description: Running

Threshold: 1

Severity: Normal

Object: ctxpoolmgr

Description: Not running

Threshold: 0

Severity: Critical

Object: ctxpoolmgr

Description: Running

Threshold: 1

Severity: Normal

Object: IMAAdvanceSrv

Description: Not running

Threshold: 0

Severity: Critical

Object: IMAAdvanceSrv

Description: Running

Threshold: 1

Severity: Normal

Object: IMAService

Description: Not running

Threshold: 0

Severity: Critical

Object: IMAService

Description: Running

Threshold: 1

Severity: Normal

Object: MFCom  
Description: Not running  
Treshold: 0  
Severity: Critical

Object: MFCom  
Description: Running  
Treshold: 1  
Severity: Normal

**CTXSPI-FwdCitrixDDCAppWarnError**

Forwards all Citrix Desktop Delivery Controller Application warning and error event log entries.

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards warning/error Citrix Configuration Logging

Severity: Warning Critical

Description: forwards warning/error Citrix Desktop Delivery Controller

Severity: Warning Critical

Description: forwards warning/error Citrix IMA Proxy Service

Severity: Warning Critical

Description: forwards warning/error Citrix Pool Management Service

Severity: Warning Critical

Description: forwards warning/error Citrix Web Interface

Severity: Warning Critical

Description: forwards warning/error CitrixHealthMon

Severity: Warning Critical

Description: forwards warning/error CitrixManagementServer

Severity: Warning Critical

Description: forwards warning/error CtxSbxAppMsg

Severity: Warning Critical

Description: forwards warning/error MetaframeEvents

Severity: Warning Critical

Description: forwards warning/error Reliability Server

Severity: Warning Critical

Description: forwards warning/error twopopup

Severity: Warning Critical



Description: forwards warning/error wsxica

Severity: Warning Critical

Description: forwards warning/error XenApp Services

Severity: Warning Critical

#### **CTXSPI-FwdCitrixDDCSysWarnError**

Forwards all Citrix Desktop Delivery Controller System warning and error event log entries.

Event log name: %SYSTEM\_LOG%

Rules:

Description: forwards warning/error CPSLicensing

Severity: Warning Critical

Description: forwards warning/error CtxSbx

Severity: Warning Critical

Description: forwards warning/error IMABrowserSS

Severity: Warning Critical

Description: forwards warning/error IMAService

Severity: Warning Critical

Description: forwards warning/error MetaFrame

Severity: Warning Critical

---

## **CTXSPI-Provisioning Server**

### **CTXSPI-PVS Additional**

#### **CTXSPI-FwdCitrixPVSAppInfo**

Forwards all Citrix Provisioning Server Application informational event log entries.

Event log name: %APPLICATION\_LOG%

Rules:

Description: forward informational BNBOOTP

Severity: Normal

Description: forward informational BNPXE

Severity: Normal

Description: forward informational BNTFTP

Severity: Normal

Description: forward informational PVSTSB

Severity: Normal

Description: forward informational SoapServer

Severity: Normal

Description: forward informational SoapService

Severity: Normal

Description: forward informational StreamProcess

Severity: Normal

Description: forward informational StreamService

Severity: Normal

## **CTXSPI-PVS Data Collection**

### **CTXSPI-LogNetworkLoad**

Logs network load on Provisioning Server.

Execute on:

Minute: 2,7,12,17,22,27,32,37,43,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_PVSNETLOAD

### **CTXSPI-LogPVSCache**

Logs virtual disk cache usage on Provisioning Server.

Execute on:

Minute: 13,28,43,58

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIPVSLog.cmd

### **CTXSPI-LogPVSConfig**

Logs a specific configuration information for Provisioning Server.

Execute on:

Minute: 9

Hour: 0-23

Command line: CTXSPIPVSFarmLog.cmd

### **CTXSPI-PVSServicesLogging**

Logs selected performance data for Provisioning Server services.

Execute on:

Minute: 0,5,10,15,20,25,30,35,40,45,50,55

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_PVSSVCS

## **CTXSPI-PVS Discovery**

### **CTXSPI-ChkServiceModel**

Periodically checks Citrix service model and sends message if any changes to model occurred. Automatic action uploads new model.

Execute every: 24h

Command line: CTXSPISwitch.cmd chkmodel CTXSPI-ChkServiceModel

Rules:

Description: No previous service model information exists (COMP returns ERRORLEVEL == 2)

Treshold: 2

Severity: Warning

Description: Service model has changed (COMP returns ERRORLEVEL == 1)

Treshold: 1

Severity: Warning

### **CTXSPI-DscServiceModel2**

Retrieve external signal to trigger Citrix Infrastructure service map discovery

Rules:

Description: Autodiscovery

Treshold: 1

Severity: Warning

## **CTXSPI-PVS Quick Start**

### **CTXSPI-PVS Network**

#### **CTXSPI-ChkNetworkLoad**

Checks network load on a system.

Execute every: 5m

Command line: CTXSPISwitch.cmd chknetworkload percent CTXSPI-ChkNetworkLoad

Rules:

Description: major

Treshold: 90

Severity: Major

Description: warning

Threshold: 80

Severity: Warning

#### **CTXSPI-ChkNetworkTraffic**

Checks the number of mega bytes per second which are sent and received over network adapters on a system.

Execute every: 5m

Command line: CTXSPIswitch.cmd chknetworkload num CTXSPI-ChkNetworkTraffic

Rules:

Description: major

Threshold: 120

Severity: Major

Description: warning

Threshold: 100

Severity: Warning

#### **CTXSPI-PVS Services**

##### **CTXSPI-ChkPVSServices**

Monitors all mandatory and optional Citrix Provisioning Server services.

Execute every: 5m

Command line: CTXSPIswitch.cmd chkpvsservices CTXSPI-ChkPVSServices

Rules:

Object: BNAbs

Description: Not running

Threshold: 0

Severity: Major

Object: BNAbs

Description: Running

Threshold: 1

Severity: Normal

Object: BNBOOTP

Description: Not running  
Threshold: 0  
Severity: Major

Object: BNBOOTP  
Description: Running  
Threshold: 1  
Severity: Normal

Object: BNPXE  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: BNPXE  
Description: Running  
Threshold: 1  
Severity: Normal

Object: BNTFTP  
Description: Not running  
Threshold: 0  
Severity: Major

Object: BNTFTP  
Description: Running  
Threshold: 1  
Severity: Normal

Object: PVSTSB  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: PVSTSB  
Description: Running  
Threshold: 1

Severity: Normal

Object: soapserver

Description: Not running

Threshold: 0

Severity: Critical

Object: soapserver

Description: Running

Threshold: 1

Severity: Normal

Object: StreamService

Description: Not running

Threshold: 0

Severity: Critical

Object: StreamService

Description: Running

Threshold: 1

Severity: Normal

#### **CTXSPI-FwdCitrixPVSAppWarnError**

Forwards all Citrix Provisioning Server Application warning and error event log entries.

Event log name: %APPLICATION\_LOG%

Rules:

Description: forward warning/error BNBOOTP

Severity: Warning Critical

Description: forward warning/error BNPXE

Severity: Warning Critical

Description: forward warning/error BNTFTP

Severity: Warning Critical

Description: forward warning/error PVSTSB

Severity: Warning Critical

Description: forward warning/error SoapServer

Severity: Warning Critical

Description: forward warning/error SoapService

Severity: Warning Critical

Description: forward warning/error StreamProcess

Severity: Warning Critical

Description: forward warning/error StreamService

Severity: Warning Critical

### **CTXSPI-PVS Storage**

#### **CTXSPI-ChkDesktopRamCache**

Monitors virtual desktop RAM cache utilization

Execute every: 5m12s

Command line: CTXSPIswitch.cmd chkramcache CTXSPI-ChkDesktopRamCache

Rules:

Description: Warning

Threshold: 90

Severity: Warning

Description: Minor

Threshold: 98

Severity: Minor

#### **CTXSPI-ChkDiskCacheSize**

Monitors the size of the device disk cache on a server.

Execute every: 5m15s

Command line: CTXSPIswitch.cmd chkdiskcache CTXSPI-ChkDiskCacheSize

Rules:

Description: Warning

Threshold: 100

Severity: Warning

Description: Minor

Threshold: 1000

Severity: Minor

---

## **CTXSPI-Secure Gateway**

### **CTXSPI-SG Additional**

**CTXSPI-SG32-ChkSSLHandshakesPending**

Monitors the number of pending SSL handshakes on the Citrix Secure Gateway. To be deployed on Secure Gateway 3.2.

Execute every: 5m

Rules:

Description: major

Treshold: 10

Severity: Major

Description: warning

Treshold: 5

Severity: Warning

**CTXSPI-SG32-ChkTotalPendingConnections**

Monitors the total number of pending client connections on Citrix Secure Gateway. To be deployed on Secure Gateway 3.2.

Execute every: 5m

Rules:

Description: major

Treshold: 10

Severity: Major

Description: warning

Treshold: 5

Severity: Warning

**CTXSPI-SG3-ChkSSLHandshakesPending**

Monitors the number of pending SSL handshakes on the Citrix Secure Gateway. To be deployed on Secure Gateway 3.0 and 3.1.

Execute every: 5m

Rules:

Description: major

Treshold: 10

Severity: Major

Description: warning

Treshold: 5



Severity: Warning

#### **CTXSPI-SG3-ChkTotalPendingConnections**

Monitors the total number of pending client connections on Citrix Secure Gateway. To be deployed on Secure Gateway 3.0 and 3.1.

Execute every: 5m

Rules:

Description: major

Threshold: 10

Severity: Major

Description: warning

Threshold: 5

Severity: Warning

#### **CTXSPI-FwdCitrixSGSecGwyInfo**

Forwards all Citrix Secure Gateway 3.0 \ "Secure Gateway\ " informational event log entries.

Event log name: %Citrix Secure Gateway\_LOG%

Rules:

Description: forwards info

Severity: Normal

### **CTXSPI-SG Data Collection**

#### **CTXSPI-LogSGActivity**

Logs selected Citrix Secure Gateway 3.0 performance data.

Execute on:

Minute: 2,7,12,17,22,27,32,37,42,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_SGS3

### **CTXSPI-SG Discovery**

#### **CTXSPI-ChkServiceModel**

Periodically checks Citrix service model and sends message if any changes to model occurred. Automatic action uploads new model.

Execute every: 24h

Command line: CTXSPIswitch.cmd chkmodel CTXSPI-ChkServiceModel

Rules:

Description: No previous service model information exists (COMP returns ERRORLEVEL == 2)

Treshold: 2

Severity: Warning

Description: Service model has changed (COMP returns ERRORLEVEL == 1)

Treshold: 1

Severity: Warning

#### **CTXSPI-DscServiceModel2**

Retrieve external signal to trigger Citrix Infrastructure service map discovery

Rules:

Description: Autodiscovery

Treshold: 1

Severity: Warning

## **CTXSPI-SG Quick Start**

#### **CTXSPI-ChkBytesSecFromClients**

Monitors the data throughput rate (in bytes per second) from all connected clients to the Secure Gateway.

Execute every: 5m

Rules:

Description: major

Treshold: 6000000

Severity: Major

Description: warning

Treshold: 3000000

Severity: Warning

#### **CTXSPI-ChkBytesSecToClients**

Monitors the data throughput rate (in bytes per second) from the Secure Gateway to all connected clients.

Execute every: 5m

Rules:

Description: major

Threshold: 6000000

Severity: Major

Description: warning

Threshold: 3000000

Severity: Warning

#### **CTXSPI-ChkCitrixSGService**

Monitors Citrix Secure Gateway service.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkcsgrvc CTXSPI-ChkCitrixSGService

Rules:

Object: CtxSecGwy

Description: Not running

Threshold: 0

Severity: Critical

Object: CtxSecGwy

Description: Not installed

Threshold: 2

Severity: Major

Object: CtxSecGwy

Description: Running

Threshold: 1

Severity: Normal

#### **CTXSPI-ChkClientConnectTimeAvg**

Monitors the average amount of time (in ms) for a client connection request to complete the connection process.

Execute every: 5m

Rules:

Description: major

Threshold: 15000  
Severity: Major

Description: warning  
Threshold: 10000  
Severity: Warning

**CTXSPI-ChkConnectionsSec**

Monitors the number of successful client connections per second on Citrix Secure Gateway.

Execute every: 5m

Rules:

Description: major

Threshold: 10

Severity: Major

Description: warning  
Threshold: 5  
Severity: Warning

**CTXSPI-ChkSSLHandshakesSec**

Monitors the number of SSL handshakes per second on the Citrix Secure Gateway.

Execute every: 5m

Rules:

Description: major

Threshold: 10

Severity: Major

Description: warning  
Threshold: 5  
Severity: Warning

**CTXSPI-ChkSSLHandshakeTimeAvg**

Monitors the average time (in ms) for a SSL handshake to complete on the Citrix Secure Gateway.

Execute every: 5m

Rules:

Description: major

Threshold: 5000

Severity: Major

Description: warning

Threshold: 3000

Severity: Warning

#### **CTXSPI-ChkTotalActiveConnections**

Monitors the total number of active client connections on Citrix Secure Gateway.

Execute every: 5m

Rules:

Description: major

Threshold: 240

Severity: Major

Description: warning

Threshold: 200

Severity: Warning

#### **CTXSPI-FwdCitrixSGSecGwyWarnError**

Forwards all Citrix Secure Gateway 3.0 \"Secure Gateway\" warning / error event log entries.

Event log name: %Citrix Secure Gateway\_LOG%

Rules:

Description: forwards warning/error

Severity: Warning Critical

---

## **CTXSPI-SPI Licensing**

#### **CTXSPI-LicOpMsg**

Intercepts all CTXSPI licensing related messages.

Rules:

Description: Suppress non-Citrix SPI licensing messages

Source: SPI for Citrix

Object: License

Message text: <\*>

Description: Intercept license request generation messages

Severity: Normal Warning Minor Major Critical

Source: SPI for Citrix

Object: License

Message text: LicenseRequestGeneration

Description: Intercept "license not found" error

Severity: Normal Warning Minor Major Critical

Source: SPI for Citrix

Object: License

Message text: LIC\_CHK\_NOTFOUND

Description: Intercept "part of license information is missing" error

Source: SPI for Citrix

Object: License

Message text: LIC\_CHK\_LICACTINFO

Description: Intercept "license key is incorrect" error

Source: SPI for Citrix

Object: License

Message text: LIC\_CHK\_LK

Description: Intercept "incorrect product ID" error

Source: SPI for Citrix

Object: License

Message text: LIC\_CHK\_PID

Description: Intercept "number of processors too high" error

Source: SPI for Citrix

Object: License

Message text: LIC\_CHK\_NRP

Description: Intercept "license is time-limited" error

Source: SPI for Citrix

Object: License

Message text: LIC\_USING\_TRIAL

Description: Intercept "license expired" error

Source: SPI for Citrix

Object: License

Message text: LIC\_CHK\_EXP

Description: Intercept "license file not present" error

Source: SPI for Citrix

Object: License

Message text: LIC\_OPENR\_LICFILE

Description: Intercept all other CTXSPI licensing errors

Source: SPI for Citrix

Object: License

Message text: <\*>

---

## CTXSPI-Web Interface

### CTXSPI-WI Additional

#### **CTXSPI-ChkBrokerAvailAppEnum**

Monitors the time required for the end-user published applications/desktops to be enumerated by individual XML broker.

Execute every: 5m

Command line: CTXSPIswitch.cmd brokavailchkph1 CTXSPI-ChkBrokerAvailAppEnum

Rules:

Description: major

Threshold: 300000

Severity: Major

Description: time-out

Threshold: 1000000000

Severity: Major

Description: warning

Threshold: 60000

Severity: Warning

Description: minor

Treshold: 120000

Severity: Minor

**CTXSPI-ChkFarmAvailAppEnum**

Monitors the time required for the end-user published applications/desktops to be enumerated.

Execute every: 5m

Command line: CTXSPIswitch.cmd farmavailchkph1 CTXSPI-ChkFarmAvailAppEnum

Rules:

Description: major

Treshold: 300000

Severity: Major

Description: time-out

Treshold: 1000000000

Severity: Major

Description: warning

Treshold: 60000

Severity: Warning

Description: minor

Treshold: 120000

Severity: Minor

**CTXSPI-ChkFarmAvailAppLB**

Monitors the time required for a published application/desktop to be load-balanced.

Execute every: 5m

Command line: CTXSPIswitch.cmd farmavailchkph2 CTXSPI-ChkFarmAvailAppLB

Rules:

Description: major

Treshold: 180000

Severity: Major



Description: time-out  
Treshold: 1000000000  
Severity: Major

Description: warning  
Treshold: 30000  
Severity: Warning

Description: minor  
Treshold: 60000  
Severity: Minor

#### **CTXSPI-ChkSiteAvailAppEnum**

Monitors the time required for the end-user published applications to be enumerated for all configured farms.

Execute every: 5m

Command line: CTXSPISwitch.cmd siteavailchkph2 CTXSPI-ChkSiteAvailAppEnum

Rules:

Description: major  
Treshold: 300000  
Severity: Major

Description: timeout  
Treshold: 1000000000  
Severity: Major

Description: warning  
Treshold: 60000  
Severity: Warning

Description: minor  
Treshold: 120000  
Severity: Minor

**CTXSPI-ChkSiteAvailAppLB**

Monitors the time required for a published application/desktop to be load-balanced for all configured farms.

Execute every: 5m

Command line: CTXSPISwitch.cmd siteavailchkph3 CTXSPI-ChkSiteAvailAppLB

Rules:

Description: major

Treshold: 300000

Severity: Major

Description: time-out

Treshold: 1000000000

Severity: Major

Description: warning

Treshold: 60000

Severity: Warning

Description: minor

Treshold: 120000

Severity: Minor

**CTXSPI-ChkSiteAvailLogonPage**

Monitors the time required for the Web Interface logon page to be delivered.

Execute every: 5m

Command line: CTXSPISwitch.cmd siteavailchkph1 CTXSPI-ChkSiteAvailLogonPage

Rules:

Description: major

Treshold: 300000

Severity: Major

Description: timeout

Treshold: 1000000000

Severity: Major

Description: warning

Treshold: 60000

Severity: Warning

Description: minor

Threshold: 120000

Severity: Minor

**CTXSPI-FwdCitrixWIAppInfo**

Forwards all Citrix Web Interface info event log entries.

Event log name: %APPLICATION\_LOG%

Rules:

Description: Citrix Delivery Services Protocol Transition Service

Severity: Normal

Description: Citrix Web Interface

Severity: Normal

Description: Citrix Web Interface XenApp Services

Severity: Normal

Description: Web Interface

Severity: Normal

**CTXSPI-WI Data Collection**

**CTXSPI-LogSiteAvail**

Logs performance of configured Web Interface site(s), farm(s) and XML broker(s).

Execute on:

Minute: 2,7,12,17,22,27,32,37,42,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIAvailLog.cmd logsiteavail

**CTXSPI-LogWIFailedLogons**

Logs Web Interface failed user logons.

Execute on:

Minute: 1,6,11,16,21,26,31,36,41,46,51,56

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIWiflLog.cmd

#### **CTXSPI-LogWIUserLogonProcess**

Logs Web Interface user logon process duration.

Execute on:

Minute: 1,6,11,16,21,26,31,36,41,46,51,56

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIWildLog.cmd

### **CTXSPI-WI Discovery**

#### **CTXSPI-ChkServiceModel**

Periodically checks Citrix service model and sends message if any changes to model occurred. Automatic action uploads new model.

Execute every: 24h

Command line: CTXSPISwitch.cmd chkmodel CTXSPI-ChkServiceModel

Rules:

Description: No previous service model information exists (COMP returns ERRORLEVEL == 2)

Treshold: 2

Severity: Warning

Description: Service model has changed (COMP returns ERRORLEVEL == 1)

Treshold: 1

Severity: Warning

#### **CTXSPI-DscServiceModel2**

Retrieve external signal to trigger Citrix Infrastructure service map discovery

Rules:

Description: Autodiscovery

Treshold: 1

Severity: Warning

### **CTXSPI-WI Quick Start**

#### **CTXSPI-ChkBrokerAvail**

Monitors the duration of broker availability.

Execute every: 5m

Command line: CTXSPISwitch.cmd brokavailchk CTXSPI-ChkBrokerAvail

Rules:

Description: major

Treshold: 300000

Severity: Major

Description: timeout

Treshold: 1000000000

Severity: Major

Description: warning

Treshold: 60000

Severity: Warning

Description: minor

Treshold: 120000

Severity: Minor

#### **CTXSPI-ChkBrokerAvailCompleted**

Monitors whether all phases of broker availability have completed successfully.

Execute every: 5m

Command line: CTXSPISwitch.cmd brokavailchkcomplete CTXSPI-ChkBrokerAvailCompleted

Rules:

Description: major

Treshold: 0

Severity: Major

#### **CTXSPI-ChkFarmAvail**

Monitors the duration of farm availability.

Execute every: 5m

Command line: CTXSPISwitch.cmd farmavailchk CTXSPI-ChkFarmAvail

Rules:

Description: major

Treshold: 480000

Severity: Major

Description: timeout  
Treshold: 1000000000  
Severity: Major

Description: warning  
Treshold: 90000  
Severity: Warning

Description: minor  
Treshold: 180000  
Severity: Minor

**CTXSPI-ChkFarmAvailCompleted**

Monitors whether all phases of farm availability have completed successfully.

Execute every: 5m

Command line: CTXSPISwitch.cmd farmavailchkcomplete CTXSPI-ChkFarmAvailCompleted

Rules:

Description: major  
Treshold: 1  
Severity: Major

**CTXSPI-ChkSiteAvail**

Monitors the duration of Web Interface site availability.

Execute every: 5m

Command line: CTXSPISwitch.cmd siteavailchk CTXSPI-ChkSiteAvail

Rules:

Description: major  
Treshold: 600000  
Severity: Major

Description: timeout  
Treshold: 1000000000  
Severity: Major

Description: warning  
Treshold: 120000  
Severity: Warning

Description: minor  
Treshold: 240000  
Severity: Minor

**CTXSPI-ChkSiteAvailCompleted**

Monitors whether all phases of site availability have completed.

Execute every: 5m

Command line: CTXSPISwitch.cmd siteavailchkcomplete CTXSPI-ChkSiteAvailCompleted

Rules:

Description: Major

Treshold: 2

Severity: Major

**CTXSPI-ChkWebInterfaceFailedLogons**

Monitors Citrix Web Interface failed user logons.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkwifailed CTXSPI-ChkWebInterfaceFailedLogons

Rules:

Description: Failed Authentication Major

Treshold: 7

Severity: Major

Description: Failed Authentication Warning

Treshold: 3

Severity: Warning

**CTXSPI-ChkWebInterfaceLogonTime**

Monitors Citrix Web Interface user logon times.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkwilogon CTXSPI-ChkWebInterfaceLogonTime

Rules:

Description: Logon Time Major  
Treshold: 180000  
Severity: Major

Description: Logon Time Warning  
Treshold: 60000  
Severity: Warning

**CTXSPI-FwdCitrixWIAppWarnError**

Forwards all Citrix Web Interface warning/error event log entries.

Event log name: %APPLICATION\_LOG%

Rules:

Description: Citrix Delivery Services Protocol Transition Service

Severity: Warning Critical

Description: Citrix Web Interface

Severity: Warning Critical

Description: Citrix Web Interface XenApp Services

Severity: Warning Critical

Description: Web Interface

Severity: Warning Critical

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## CTXSPI-XenApp

### CTXSPI-XA Additional

**CTXSPI-ChkDataStoreConsistency**

Monitors the farm's Data Store consistency.

Execute every: 23h

Command line: CTXSPIswitch.cmd chkdscons CTXSPI-ChkDataStoreConsistency

Rules:

Description: Data Store inconsistent

Treshold: 1

Severity: Major

**CTXSPI-ChkProfileExecutableCount**

Monitors number of executable files in profile.

Execute every: 5m



Command line: CTXSPISwitch.cmd chkprofileexecutables CTXSPI-ChkProfileExecutableCount

Rules:

Description: warning

Treshold: 1

Severity: Warning

#### **CTXSPI-ChkProfileFileCount**

Monitors profile file count.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilefilecount CTXSPI-ChkProfileFileCount

Rules:

Description: major

Treshold: 2000

Severity: Major

Description: warning

Treshold: 1500

Severity: Warning

#### **CTXSPI-ChkProfileMediaCount**

Monitors number of media files in profile.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilemedias CTXSPI-ChkProfileMediaCount

Rules:

Description: warning

Treshold: 1000

Severity: Warning

#### **CTXSPI-ChkProfileRoamingFileCount**

Monitors roaming profile file count.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofileroamingfilecount CTXSPI-ChkProfileRoamingFileCount

Rules:

Description: major

Treshold: 1800  
Severity: Major

Description: warning  
Treshold: 1300  
Severity: Warning

**CTXSPI-ChkProfilesTotalExecutableCount**

Monitors number of executable files in all profiles.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilesexecutables CTXSPI-ChkProfilesTotalExecutableCount

Rules:

Description: warning

Treshold: 1

Severity: Warning

**CTXSPI-ChkProfilesTotalFileCount**

Monitors all profiles file count.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilesfilecount CTXSPI-ChkProfilesTotalFileCount

Rules:

Description: major

Treshold: 200000

Severity: Major

Description: warning

Treshold: 150000

Severity: Warning

**CTXSPI-ChkProfilesTotalMediaCount**

Monitors number of media files in all profiles.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilesmedias CTXSPI-ChkProfilesTotalMediaCount

Rules:

Description: warning

Threshold: 40000

Severity: Warning

#### **CTXSPI-ChkProfilesTotalRoamingFileCount**

Monitors all roaming profiles file count.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilesroamingfilecount CTXSPI-ChkProfilesTotalRoamingFileCount

Rules:

Description: major

Threshold: 180000

Severity: Major

Description: warning

Threshold: 130000

Severity: Warning

#### **CTXSPI-ChkSessionsDown**

Monitors number of sessions in down state on a XenApp server.

Execute every: 5m37s

Command line: CTXSPISwitch.cmd cntsess CTXSPI-ChkSessionsDown down

Rules:

Description: Check for major number of DOWN session states

Threshold: 15

Severity: Major

Description: Check for warning number of DOWN session states

Threshold: 8

Severity: Warning

#### **CTXSPI-ChkSessionsShadowing**

Monitors number of sessions in shadowing state on a XenApp server.

Execute every: 6m19s

Command line: CTXSPISwitch.cmd cntsess CTXSPI-ChkSessionsShadowing shadowing

Rules:

Description: Check for major number of SHADOWING session states

Treshold: 15

Severity: Major

Description: Check for warning number of SHADOWING session states

Treshold: 8

Severity: Warning

#### **CTXSPI-ChkSessionsStale**

Monitors number of stalled sessions on a XenApp server.

Execute every: 5m53s

Command line: CTXSPISwitch.cmd cntsess CTXSPI-ChkSessionsStale stale

Rules:

Description: Check for major number of STALE session states

Treshold: 15

Severity: Major

Description: Check for warning number of STALE session states

Treshold: 8

Severity: Warning

#### **CTXSPI-ChkXAUserLogonProcessPh1**

Monitors Citrix initialization phase of the XenApp server user logon process.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkpslogon Phase1 CTXSPI-ChkXAUserLogonProcessPh1

Rules:

Description: major

Treshold: 180000

Severity: Major

Description: time-out

Treshold: 1000000000

Severity: Major

Description: warning  
Threshold: 120000  
Severity: Warning

**CTXSPI-ChkXAUserLogonProcessPh2**

Monitors applying group policies phase of the XenApp server user logon process.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkpslogon Phase2 CTXSPI-  
ChkXAUserLogonProcessPh2

Rules:

Description: major  
Threshold: 180000  
Severity: Major

Description: time-out  
Threshold: 1000000000  
Severity: Major

Description: warning  
Threshold: 120000  
Severity: Warning

**CTXSPI-ChkXAUserLogonProcessPh3**

Monitors user initialization phase of the XenApp server user logon process.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkpslogon Phase3 CTXSPI-  
ChkXAUserLogonProcessPh3

Rules:

Description: major  
Threshold: 180000  
Severity: Major

Description: time-out  
Threshold: 1000000000  
Severity: Major

Description: warning

Threshold: 120000  
Severity: Warning

**CTXSPI-ChkXAUserLogonProcessPh4**

Monitors loading user scripts phase of the XenApp server user logon process.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkpslogon Phase4 CTXSPI-ChkXAUserLogonProcessPh4

Rules:

Description: major

Threshold: 180000

Severity: Major

Description: time-out

Threshold: 1000000000

Severity: Major

Description: warning

Threshold: 120000

Severity: Warning

**CTXSPI-ChkXAUserLogonProcessPh5**

Monitors user profile loading phase of the XenApp server user logon process.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkpslogon Phase5 CTXSPI-ChkXAUserLogonProcessPh5

Rules:

Description: major

Threshold: 180000

Severity: Major

Description: time-out

Threshold: 1000000000

Severity: Major

Description: warning

Threshold: 120000

Severity: Warning

**CTXSPI-DisconnectSessions**

Disconnects sessions that are idle for more then specified time (default time = 60 minutes).

Execute on:

Minute: 0,15,30,45

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPISwitch.cmd disconsessions 60

**CTXSPI-LogOffSessions**

Logs off sessions that are disconnected for more then specified time (default time = 180 minutes)

Execute on:

Minute: 1,16,31,46

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPISwitch.cmd logoffsessions 180

**CTXSPI-LogOffSessionsByUser**

Logs off disconnected sessions of the specified user that are disconnected for more then the specified time.

Execute on:

Minute: 2,17,32,47

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPISwitch.cmd logoffsessionsbyuser 180 <enter\_username\_here>

**CTXSPI-LogonThrottler**

Protects server from being overloaded by intensive user logons

Execute on:

Minute: 9,18,27,36,45,54

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPISwitch.cmd logonthrottler

**CTXSPI-FwdCitrixXAppInfo**

Forwards all Citrix XenApp Application informational event log entries

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards informational Citrix 64-bit Virtual Memory Optimization

Severity: Normal

Description: forwards informational Citrix Configuration Logging

Severity: Normal

Description: forwards informational Citrix EUEM

Severity: Normal

Description: forwards informational Citrix Resource Management

Severity: Normal

Description: forwards informational Citrix SSL Relay

Severity: Normal

Description: forwards informational Citrix Virtual Memory Optimization

Severity: Normal

Description: forwards informational Citrix WMI Service

Severity: Normal

Description: forwards informational Citrix XenApp Streamed Apps

Severity: Normal

Description: forwards informational CitrixHealthMon

Severity: Normal

Description: forwards informational CLTMGR

Severity: Normal

Description: forwards informational CTXCPUUtilMgmt

Severity: Normal

Description: forwards informational CtxSbxAppMsg

Severity: Normal

Description: forwards informational DSCheck

Severity: Normal

Description: forwards informational InstallationManager

Severity: Normal

Description: forwards informational MetaframeEvents

Severity: Normal

Description: forwards informational MFSNMPAgent

Severity: Normal

Description: forwards informational RADE Licensing



Severity: Normal

Description: forwards informational RADEEvents

Severity: Normal

Description: forwards informational Reliability Server

Severity: Normal

Description: forwards informational twpopup

Severity: Normal

Description: forwards informational wsxica

Severity: Normal

Description: forwards informational XenApp Services

Severity: Normal

**CTXSPI-FwdCitrixXASysInfo**

Forwards all Citrix XenApp System informational event log entries

Event log name: %SYSTEM\_LOG%

Rules:

Description: forwards informational Cdm

Severity: Normal

Description: forwards informational Citrix Resource Management

Severity: Normal

Description: forwards informational CPSLicensing

Severity: Normal

Description: forwards informational CtxSbx

Severity: Normal

Description: forwards informational ICABrowser

Severity: Normal

Description: forwards informational IMABrowserSS

Severity: Normal

Description: forwards informational IMAService

Severity: Normal

Description: forwards informational MetaFrame

Severity: Normal

**CTXSPI-FwdLogonThrottlerEvents**

Forwards all Logon Throttler warning / error event log entries.

Event log name: %APPLICATION\_LOG%

**CTXSPI-FwdOsAndTSAppInfo**

Forwards all OS and Terminal Server Application informational event log entries

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards informational SpoolerCtrs

Severity: Normal

#### **CTXSPI-FwdOsAndTSSysInfo**

Forwards all OS and Terminal Server System informational event log entries

Event log name: %SYSTEM\_LOG%

Rules:

Description: forwards informational Netlogon

Severity: Normal

Description: forwards informational Print

Severity: Normal

Description: forwards informational PrintSpooler

Severity: Normal

Description: forwards informational TermDD

Severity: Normal

Description: forwards informational TerminalServices-RemoteConnectionManager

Severity: Normal

Description: forwards informational TerminalServices-SessionBroker-Client

Severity: Normal

Description: forwards informational TermServDevices

Severity: Normal

Description: forwards informational TermService

Severity: Normal

Description: forwards informational TermServJet

Severity: Normal

Description: forwards informational TermServSessDir

Severity: Normal

### **CTXSPI-XA Data Collection**

#### **CTXSPI-LogApps**

Logs published application usage.

Execute on:

Minute: 4,9,14,19,24,29,34,39,44,49,54,59

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIAppsLog.cmd

**CTXSPI-LogProfile**

Log profiles status

Execute on:

Minute: 9

Hour: 0,12

Day: 1-31

Month: 1-12

Command line: CTXSPIProfileLog.cmd

**CTXSPI-LogProfiles**

Log sum of all profiles status

Execute on:

Minute: 9,19,29,39,49,58

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIProfilesLog.cmd

**CTXSPI-LogXAUserLogonProcess**

Logs Citrix XenApp server user logon process performance information.

Execute on:

Minute: 2,7,12,17,22,27,32,37,42,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIsldLog.cmd

**CTXSPI-ServerConfigLogging**

Logs Citrix-specific configuration information for a XenApp server.

Execute on:

Minute: 17

Hour: 0-23

Command line: CTXSPIFarmLogUx.cmd

**CTXSPI-ServicesLogging**

Logs selected performance data for XenApp server services.

Execute on:

Minute: 1,6,11,16,21,26,31,36,41,46,51,56

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_SVCS

#### **CTXSPI-SessionsExLogging**

Logs extended performance data for Citrix sessions.

Execute on:

Minute: 3,8,13,18,23,28,33,38,43,48,53,58

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPIsesxLogUx.cmd

#### **CTXSPI-SessionsICALogging**

Logs selected performance data for Citrix ICA sessions.

Execute on:

Minute: 2,7,12,17,22,27,32,37,42,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_SICA

#### **CTXSPI-SessionsTSSLogging**

Logs selected performance data for Terminal Services sessions.

Execute on:

Minute: 2,7,12,17,22,27,32,37,42,47,52,57

Hour: 0-23

Day: 1-31

Month: 1-12

Command line: CTXSPICollectPerf.cmd CTXSPI\_SESS

### **CTXSPI-XA Discovery**

#### **CTXSPI-ChkServiceModel**

Periodically checks Citrix service model and sends message if any changes to model occurred. Automatic action uploads new model.

Execute every: 24h

Command line: CTXSPIswitch.cmd chkmodel CTXSPI-ChkServiceModel

Rules:

Description: No previous service model information exists (COMP returns ERRORLEVEL == 2)

Treshold: 2

Severity: Warning

Description: Service model has changed (COMP returns ERRORLEVEL == 1)

Treshold: 1

Severity: Warning

#### **CTXSPI-DscServiceModel2**

Retrieve external signal to trigger Citrix Infrastructure service map discovery

Rules:

Description: Autodiscovery

Treshold: 1

Severity: Warning

### **CTXSPI-XA Quick Start**

#### **CTXSPI-XA Logon Process**

##### **CTXSPI-ChkXAUserLogonProcess**

Monitors duration of the complete XenApp server user logon process.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkpslogon Phase0 CTXSPI-ChkXAUserLogonProcess

Rules:

Description: major

Treshold: 180000

Severity: Major

Description: time-out

Treshold: 1000000000

Severity: Major

Description: warning

Treshold: 120000

Severity: Warning

### **CTXSPI-ChkXAUserLogonProcessCompleted**

Monitors whether all phases of the user logon process have completed successfully on the XenApp server.

Execute every: 5m

Command line: CTXSPIswitch.cmd chkpslogon Completed CTXSPI-ChkXAUserLogonProcessCompleted

Rules:

Description: major

Threshold: 4

Severity: Major

### **CTXSPI-XA Services**

#### **CTXSPI-ChkCitrixXAServices**

Monitors all mandatory and optional XenApp server services.

Execute every: 5m

Command line: CTXSPIswitch.cmd chkctxsvc CTXSPI-ChkCitrixXAServices

Rules:

Object: ADF Installer

Description: Not running

Threshold: 0

Severity: Major

Object: ADF Installer

Description: Running

Threshold: 1

Severity: Normal

Object: CdfSvc

Description: Running

Threshold: 1

Severity: Normal

Object: CdfSvc

Description: Not running

Threshold: 0

Severity: Minor

Object: CdmService  
Description: Not installed  
Threshold: 2  
Severity: Critical

Object: CdmService  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CdmService  
Description: Running  
Threshold: 1  
Severity: Normal

Object: Citrix 64-bit Virtual Memory Optimization  
Description: Not running  
Threshold: 0  
Severity: Major

Object: Citrix 64-bit Virtual Memory Optimization  
Description: Running  
Threshold: 1  
Severity: Normal

Object: Citrix Encryption Service  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: Citrix Encryption Service  
Description: Not installed  
Threshold: 2  
Severity: Critical

Object: Citrix Encryption Service  
Description: Running

Threshold: 1  
Severity: Normal

Object: Citrix EUEM  
Description: Not running  
Threshold: 0  
Severity: Major

Object: Citrix EUEM  
Description: Running  
Threshold: 1  
Severity: Normal

Object: Citrix SMA Service  
Description: Not running  
Threshold: 0  
Severity: Major

Object: Citrix SMA Service  
Description: Running  
Threshold: 1  
Severity: Normal

Object: Citrix SSL Relay  
Description: Not running  
Threshold: 0  
Severity: Major

Object: Citrix SSL Relay  
Description: Running  
Threshold: 1  
Severity: Normal

Object: Citrix Virtual Memory Optimization  
Description: Not running  
Threshold: 0  
Severity: Major



Object: Citrix Virtual Memory Optimization  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CitrixHealthMon  
Description: Not running  
Threshold: 0  
Severity: Critical

Object: CitrixHealthMon  
Description: Not installed  
Threshold: 2  
Severity: Critical

Object: CitrixHealthMon  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CitrixWMIService  
Description: Not running  
Threshold: 0  
Severity: Major

Object: CitrixWMIService  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CitrixXTEServer  
Description: Not running  
Threshold: 0  
Severity: Major

Object: CitrixXTEServer

Description: Running  
Threshold: 1  
Severity: Normal

Object: cpsvc  
Description: Not running  
Threshold: 0  
Severity: Major

Object: cpsvc  
Description: Running  
Threshold: 1  
Severity: Normal

Object: ctxcpuSched  
Description: Not running  
Threshold: 0  
Severity: Major

Object: ctxcpuSched  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CTXCPUUsync  
Description: Not running  
Threshold: 0  
Severity: Major

Object: CTXCPUUsync  
Description: Running  
Threshold: 1  
Severity: Normal

Object: CtxHttp  
Description: Not running  
Threshold: 0

Severity: Major

Object: CtxHttp

Description: Running

Threshold: 1

Severity: Normal

Object: Encryption Service

Description: Not installed

Threshold: 2

Severity: Critical

Object: Encryption Service

Description: Not running

Threshold: 0

Severity: Critical

Object: Encryption Service

Description: Running

Threshold: 1

Severity: Normal

Object: IMAAdvanceSrv

Description: Not installed

Threshold: 2

Severity: Critical

Object: IMAAdvanceSrv

Description: Not running

Threshold: 0

Severity: Critical

Object: IMAAdvanceSrv

Description: Running

Threshold: 1

Severity: Normal

Object: IMAService  
Description: Not installed  
Treshold: 2  
Severity: Critical

Object: IMAService  
Description: Not running  
Treshold: 0  
Severity: Critical

Object: IMAService  
Description: Running  
Treshold: 1  
Severity: Normal

Object: MFCom  
Description: Not running  
Treshold: 0  
Severity: Critical

Object: MFCom  
Description: Not installed  
Treshold: 2  
Severity: Critical

Object: MFCom  
Description: Running  
Treshold: 1  
Severity: Normal

Object: RadeSvc  
Description: Not running  
Treshold: 0  
Severity: Critical

Object: RadeSvc  
Description: Not installed

Threshold: 2  
Severity: Critical

Object: RadeSvc  
Description: Running  
Threshold: 1  
Severity: Normal

Object: ResourceManagerMail  
Description: Not running  
Threshold: 0  
Severity: Major

Object: ResourceManagerMail  
Description: Running  
Threshold: 1  
Severity: Normal

#### **CTXSPI-ChkIMAServiceAdvanced**

Monitors Citrix Independent Management Architecture service availability by periodically enumerating published applications on a XenApp server.

Execute every: 5m7s

Command line: CTXSPISwitch.cmd chkIMAservice CTXSPI-ChkIMAServiceAdvanced

Rules:

Description: If IMA service not responding to application enumeration query, send a message

Threshold: 1

Severity: Critical

#### **CTXSPI-ChkOsAndTSServices**

Monitors mandatory and optional Windows and Terminal Server services.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkostssvc CTXSPI-ChkOsAndTSServices

Rules:

Object: Netlogon

Description: Not running

Threshold: 0

Severity: Critical

Object: Netlogon

Description: Running

Threshold: 1

Severity: Normal

Object: SessionEnv

Description: Not running

Threshold: 0

Severity: Major

Object: SessionEnv

Description: Running

Threshold: 1

Severity: Normal

Object: Spooler

Description: Not running

Threshold: 0

Severity: Major

Object: Spooler

Description: Running

Threshold: 1

Severity: Normal

Object: TermService

Description: Not running

Threshold: 0

Severity: Critical

Object: TermService

Description: Not installed

Threshold: 2

Severity: Critical

Object: TermService  
Description: Running  
Threshold: 1  
Severity: Normal

Object: Tssdis  
Description: Not running  
Threshold: 0  
Severity: Major

Object: Tssdis  
Description: Running  
Threshold: 1  
Severity: Normal

Object: UmRdpService  
Description: Not running  
Threshold: 0  
Severity: Major

Object: UmRdpService  
Description: Running  
Threshold: 1  
Severity: Normal

**CTXSPI-FwdCitrixRuntimeError**  
Forwards runtime errors of Citrix services  
Event log name: %SYSTEM\_LOG%

**CTXSPI-FwdCitrixXAAppWarnError**  
Forwards all Citrix XenApp Application warning / error event log entries  
Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards warning/error Citrix 64-bit Virtual Memory Optimization

Severity: Warning Critical

Description: forwards warning/error Citrix Configuration Logging

Severity: Warning Critical

Description: forwards warning/error Citrix EUEM  
Severity: Warning Critical

Description: forwards warning/error Citrix Resource Management  
Severity: Warning Critical

Description: forwards warning/error Citrix SSL Relay  
Severity: Warning Critical

Description: forwards warning/error Citrix Virtual Memory Optimization  
Severity: Warning Critical

Description: forwards warning/error Citrix WMI Service  
Severity: Warning Critical

Description: forwards warning/error Citrix XenApp Streamed Apps  
Severity: Warning Critical

Description: forwards warning/error CitrixHealthMon  
Severity: Warning Critical

Description: forwards warning/error CLTMGR  
Severity: Warning Critical

Description: forwards warning/error CTXCPUUtilMgmt  
Severity: Warning Critical

Description: forwards warning/error CtxSbxAppMsg  
Severity: Warning Critical

Description: forwards warning/error DSCheck  
Severity: Warning Critical

Description: forwards warning/error InstallationManager  
Severity: Warning Critical

Description: forwards warning/error MetaframeEvents  
Severity: Warning Critical

Description: forwards warning/error MFSNMPAgent  
Severity: Warning Critical

Description: forwards warning/error RADE Licensing  
Severity: Warning Critical

Description: forwards warning/error RADEEvents  
Severity: Warning Critical

Description: forwards warning/error Reliability Server  
Severity: Warning Critical

Description: forwards warning/error twpopup  
Severity: Warning Critical

Description: forwards warning/error wsxica



Severity: Warning Critical

Description: forwards warning/error XenApp Services

Severity: Warning Critical

**CTXSPI-FwdCitrixXASysWarnError**

Forwards all Citrix XenApp System warning / error event log entries

Event log name: %SYSTEM\_LOG%

Rules:

Description: forwards warning/error Cdm

Severity: Warning Critical

Description: forwards warning/error Citrix Resource Management

Severity: Warning Critical

Description: forwards warning/error CPSLicensing

Severity: Warning Critical

Description: forwards warning/error CtxSbx

Severity: Warning Critical

Description: forwards warning/error ICABrowser

Severity: Warning Critical

Description: forwards warning/error IMABrowserSS

Severity: Warning Critical

Description: forwards warning/error IMAService

Severity: Warning Critical

Description: forwards warning/error MetaFrame

Severity: Warning Critical

**CTXSPI-FwdOsAndTSAppWarnError**

Forwards all OS and Terminal Server Application warning / error event log entries

Event log name: %APPLICATION\_LOG%

Rules:

Description: forwards warning/error SpoolerCtrs

Severity: Warning Critical

**CTXSPI-FwdOsAndTSSysWarnError**

Forwards all OS and Terminal Server System warning / error event log entries

Event log name: %SYSTEM\_LOG%

Rules:

Description: forwards warning/error Netlogon

Severity: Warning Critical

Description: forwards warning/error Print

Severity: Warning Critical

Description: forwards warning/error PrintSpooler

Severity: Warning Critical

Description: forwards warning/error TermDD

Severity: Warning Critical

Description: forwards warning/error TerminalServices-RemoteConnectionManager

Severity: Warning Critical

Description: forwards warning/error TerminalServices-SessionBroker-Client

Severity: Warning Critical

Description: forwards warning/error TermServDevices

Severity: Warning Critical

Description: forwards warning/error TermService

Severity: Warning Critical

Description: forwards warning/error TermServJet

Severity: Warning Critical

Description: forwards warning/error TermServSessDir

Severity: Warning Critical

### **CTXSPI-XA Sessions**

#### **CTXSPI-ChkICASessionLatencyAverage**

Monitors average latency of all ICA sessions.

Execute every: 5m

Rules:

Description: If average ICA session latency is major

Treshold: 700

Severity: Major

Description: If average ICA session latency is warning

Treshold: 400

Severity: Warning

#### **CTXSPI-ChkICASessionLatencyDeviation**

Monitors latency deviation of all ICA sessions.

Execute every: 5m

Rules:

Description: ICA session latency deviation major

Treshold: 2000

Severity: Major

Description: ICA session latency deviation minor

Threshold: 1000

Severity: Warning

**CTXSPI-ChkICASessionLatencyLast**

Monitors last recorded latency of all ICA sessions.

Execute every: 5m

Rules:

Description: If current ICA session latency is major

Threshold: 1000

Severity: Major

Description: If current ICA session latency is warning

Threshold: 700

Severity: Warning

**CTXSPI-ChkProcessesNum**

Monitors number of processes on a XenApp server.

Execute every: 5m

Command line: CTXSPIswitch.cmd cntprocs CTXSPI-ChkProcessesNum

Rules:

Description: Check for major number of processes

Threshold: 500

Severity: Major

Description: Check for warning number of processes

Threshold: 300

Severity: Warning

**CTXSPI-ChkSessionHandleCount**

Monitors handle count use of individual ICA session.

Execute every: 5m

Rules:

Description: Handle Count major

Threshold: 20000  
Severity: Major

Description: Handle Count warning  
Threshold: 15000  
Severity: Warning

**CTXSPI-ChkSessionPageFileBytes**

Monitors page file bytes (virtual memory) of all ICA sessions.  
Execute every: 5m  
Rules:  
Description: If Page File Bytes used by any session is major  
Threshold: 384000000  
Severity: Major

Description: If Page File Bytes used by any session is warning  
Threshold: 256000000  
Severity: Warning

**CTXSPI-ChkSessionProcessorTime**

Monitors processor time use (in %) of all ICA sessions.  
Execute every: 5m  
Rules:  
Description: If % Processor Time used by any session major  
Threshold: 90 FOR "30s"  
Severity: Major

Description: If % Processor Time used by any session warning  
Threshold: 70 FOR "30s"  
Severity: Warning

**CTXSPI-ChkSessionsActive**

Checks number of active sessions on a Citrix XenApp server.  
Execute every: 4m53s  
Command line: CTXSPISwitch.cmd cntsess CTXSPI-ChkSessionsActive active  
Rules:

Description: Check for major number of ACTIVE session states  
Treshold: 100  
Severity: Major

Description: Check for warning number of ACTIVE session states  
Treshold: 70  
Severity: Warning

#### **CTXSPI-ChkSessionsAll**

Monitors number of all sessions on a XenApp server.  
Execute every: 5m31s  
Command line: CTXSPIswitch.cmd cntsess CTXSPI-ChkSessionsAll all  
Rules:  
Description: Check for major number of ACTIVE session states  
Treshold: 120  
Severity: Major

Description: Check for warning number of ACTIVE session states  
Treshold: 90  
Severity: Warning

#### **CTXSPI-ChkSessionsDisconnected**

Monitors number of disconnected sessions on a XenApp server.  
Execute every: 5m17s  
Command line: CTXSPIswitch.cmd cntsess CTXSPI-ChkSessionsDisconnected disconnected  
Rules:  
Description: Check for major number of DISCONNECTED session states  
Treshold: 50  
Severity: Major

Description: Check for warning number of DISCONNECTED session states  
Treshold: 30  
Severity: Warning

**CTXSPI-ChkSessionsListening**

Monitors number of sessions in listening state on a XenApp server.

Execute every: 5m11s

Command line: CTXSPISwitch.cmd cntsess CTXSPI-ChkSessionsListening listening

Rules:

Description: major

Treshold: 1

Severity: Major

**CTXSPI-ChkSessionThreadCount**

Monitors thread count use of individual ICA session.

Execute every: 5m

Rules:

Description: Thread Count major

Treshold: 1000

Severity: Major

Description: Thread Count warning

Treshold: 800

Severity: Warning

**CTXSPI-ChkSessionTotalBytes**

Monitors total number of session bytes of all ICA sessions.

Execute every: 5m

Rules:

Description: Total Bytes is major

Treshold: 4000000

Severity: Major

Description: Total Bytes is warning

Treshold: 2000000

Severity: Warning

**CTXSPI-ChkSessionTotalErrors**

Monitors total number of session errors of all ICA sessions.

Execute every: 5m

Rules:

Description: Total Errors is major

Threshold: 10

Severity: Major

Description: Total Errors is warning

Threshold: 3

Severity: Warning

#### **CTXSPI-ChkSessionTotalFrames**

Monitors total number of session frames of all ICA sessions.

Execute every: 5m

Rules:

Description: Total Frames is major

Threshold: 512

Severity: Major

Description: Total Frames is warning

Threshold: 256

Severity: Warning

#### **CTXSPI-ChkSessionTotalTimeouts**

Monitors session network transport errors of all ICA sessions.

Execute every: 5m

Rules:

Description: Total Timeouts is major

Threshold: 10

Severity: Major

Description: Total Timeouts is warning

Threshold: 3

Severity: Warning

#### **CTXSPI-ChkSessionTotalTransportErrors**

Monitors session network transport errors of all ICA sessions.

Execute every: 5m

Rules:

Description: Total Transport Errors major

Treshold: 10

Severity: Major

Description: Total Transport Errors warning

Treshold: 3

Severity: Warning

#### **CTXSPI-ChkSessionWorkingSet**

Monitors working set (physical memory) of all ICA sessions.

Execute every: 5m

Rules:

Description: If working set size used by any session is major

Treshold: 256000000

Severity: Major

Description: If working set size used by any session is warning

Treshold: 128000000

Severity: Warning

#### **CTXSPI-XA User Profiles**

##### **CTXSPI-ChkProfileFullSize**

Monitors profile full size.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilefullsize CTXSPI-ChkProfileFullSize

Rules:

Description: major

Treshold: 100

Severity: Major

Description: warning

Treshold: 70

Severity: Warning



**CTXSPI-ChkProfileRoamingSize**

Monitors profile roaming size.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofileroamingsize CTXSPI-ChkProfileRoamingSize

Rules:

Description: major

Treshold: 90

Severity: Major

Description: warning

Treshold: 60

Severity: Warning

**CTXSPI-ChkProfilesTotalRoamingSize**

Monitors all profiles roaming size.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofilesroamingsize CTXSPI-ChkProfilesTotalRoamingSize

Rules:

Description: major

Treshold: 20000

Severity: Major

Description: warning

Treshold: 15000

Severity: Warning

**CTXSPI-ChkProfilesTotalSize**

Monitors sum of all profiles size.

Execute every: 5m

Command line: CTXSPISwitch.cmd chkprofiletotalsize CTXSPI-ChkProfilesTotalSize

Rules:

Description: major

Treshold: 30000

Severity: Major

Description: warning

Treshold: 25000

Severity: Warning

### **CTXSPI-XA Zones**

#### **CTXSPI-ChkDCChanges**

Detects Data Collector change in farm's zone.

Execute every: 6m29s

Command line: CTXSPISwitch.cmd chkdc CTXSPI-ChkDCChanges

Rules:

Description: Data Collector in a zone has changed

Treshold: 0

Severity: Warning

---

## Data Source Metrics

Below is a list of performance data collected on a specific managed node.

---

### Application Probing Server

Below is a short description of data sources and corresponding metrics that are collected on the Application Probing Server managed node:

#### CTXSPI\_AVAILA

Application availability performance information

##### UNIQUEKEY

The dummy key

Type: TEXT

##### STARTTIME

The start time of the measurement

Type: NUMERIC

##### SEQUENCE

The probing application sequence

Type: NUMERIC

##### APPLICATION

The name of the published application

Type: TEXT

##### HOST

The name of the XenApp server that was selected by the load-balancing to launch the application

Type: TEXT

##### USER

The name of the probing user

Type: TEXT

##### SITE

The Web Interface site URL

Type: TEXT

##### WICONNECTION

The duration of the Web Interface logon page response (in ms)

Type: NUMERIC

**WIENUMERATION**

The duration of the application enumeration (in ms)

Type: NUMERIC

**WIREQUEST**

The duration of handing the application load balancing request (in ms)

Type: NUMERIC

**ICACONNECTION**

The duration of the ICA client initialization and initial connect to the target XenApp host (in ms)

Type: NUMERIC

**ICALAUNCH**

The duration of the application launch (in ms)

Type: NUMERIC

**COMPLETED**

The number of completed phases

Type: NUMERIC

**STATUS**

The description of an error (if applicable)

Type: TEXT

**HISTORY**

History of opened application windows

Type: TEXT

**WITIME**

The duration of all Web Interface phases (in ms)

Type: NUMERIC

**ICATIME**

The duration of all ICA client phases (in ms)

Type: NUMERIC

**TOTALTIME**

The duration of all phases (in ms)

Type: NUMERIC

**RESERVED1**

Reserved for future use

Type: NUMERIC

**RESERVED2**

Reserved for future use

Type: NUMERIC

**RESERVED3**

Reserved for future use

Type: NUMERIC

---

**Citrix License Server**

Below is a short description of data sources and corresponding metrics that are collected on the Citrix License Server managed node:

**CTXSPI\_LSLU**

Citrix License Server license usage

**FEATURENAME**

The Citrix License Server feature name

Type: TEXT

**NRAVAIL**

The number of available feature licenses

Type: NUMERIC

**NRUSED**

The number of user feature licenses

Type: NUMERIC

**PCTUSED**

The % of used feature licenses

Type: NUMERIC

---

**Desktop Delivery Controller**

Below is a short description of data sources and corresponding metrics that are collected on the Desktop Delivery Controller managed node:

**CTXSPI\_DDC**

Desktop utilization information

**GROUPNAME**

The name of the desktop group

Type: TEXT

**SESSALL**

The number of all sessions in the desktop group

Type: NUMERIC

**SESSACTIVE**

The number of active sessions in the desktop group

Type: NUMERIC

**SESSDISCONNECTED**

The number of disconnected sessions in the desktop group

Type: NUMERIC

**DESKTOPSALL**

The number of all desktops in the desktop group

Type: NUMERIC

**DESKTOPSIDLE**

The number of idle desktops in the desktop group

Type: NUMERIC

**DESKTOPSNOTREG**

The number of not registered desktops in the desktop group

Type: NUMERIC

**CTXSPI\_DDCFARM**

Desktop group farm information

**DDCFARMNAME**

The name of the Desktop Delivery Controller farm

Type: NUMERIC

**CTXSPI\_DDCSVCS**

Desktop Delivery Controller service resource consumption

**HINSTANCENAME**

The name of a Desktop Delivery Controller service

Type: TEXT

**PCTPROCESSORTIME**

The % of the processor time consumption of a Desktop Delivery Controller service (in %)

Type: NUMERIC

**WORKINGSET**

Physical memory consumption of a Desktop Delivery Controller service (in bytes)

Type: NUMERIC

### **PAGEFILEBYTES**

Virtual memory consumption of a Desktop Delivery Controller service (in bytes)

Type: NUMERIC

---

## **Provisioning Server**

Below is a short description of data sources and corresponding metrics that are collected on the Provisioning Server managed node:

### **CTXSPI\_PVS\_NETLOAD**

Network traffic information on a Provisioning Server

#### **HINSTANCENAME**

The name of a network adapter.

Type: TEXT

#### **TOTALBYTESPERSEC**

Total Bytes Total/sec is the rate at which bytes are sent and received over each network adapter, including framing characters. Network Interface\Bytes Total/sec is a sum of Network Interface\Bytes Received/sec and Network Interface\Bytes Sent/sec.

Type: NUMERIC

#### **BANDWIDTH**

Current Bandwidth is an estimate of the current bandwidth of the network interface in bits per second (BPS).

Type: NUMERIC

### **CTXSPI\_PVSCACHE**

Virtual disk cache usage

#### **DEVICENAME**

The name of the device

Type: TEXT

#### **STORENAME**

The name of the virtual disk storage

Type: TEXT

#### **VDISKNAME**

The name of the virtual disk

Type: TEXT

**CACHESIZE**

The current size of the cache file in the store cache folder

Type: NUMERIC

**RAMUTIL**

The current RAM disk cache utilization

Type: NUMERIC

**CTXSPI\_PVSFARM**

Device farm and site information

**PVSFARMNAME**

The name of the PVS farm

Type: TEXT

**SITENAME**

The name of the site

Type: NUMERIC

**CTXSPI\_PVSSVCS**

Provisioning Server service resource consumption

**HINSTANCENAME**

The name of a Provisioning Server service

Type: TEXT

**PCTPROCESSORTIME**

The % of the processor time consumption of a Provisioning Server service (in %)

Type: NUMERIC

**WORKINGSET**

Physical memory consumption of a Provisioning Server service (in bytes)

Type: NUMERIC

**PAGEFILEBYTES**

Virtual memory consumption of a Provisioning Server service (in bytes)

Type: NUMERIC

---

**Secure Gateway**

Below is a short description of data sources and corresponding metrics that are collected on the Secure Gateway managed node:

**CTXSPI\_SGS3**



Secure Gateway 3.x performance information

**DUMMYKEY**

The dummy key

Type: TEXT

**BYTESSECFROMCL**

Network traffic per second from all client connections

Type: NUMERIC

**BYTESSECTOCL**

Network traffic per second to all client connections

Type: NUMERIC

**AVGCLCONNTIME**

The average client connect time

Type: NUMERIC

**CONNSPERSEC**

Connections per second

Type: NUMERIC

**CONNSTOTALACT**

The total number of active connections

Type: NUMERIC

**CONNSTOTALPEND**

The total number of pending connections

Type: NUMERIC

**SSLHANDPEND**

The number of pending SSL handshakes

Type: NUMERIC

**SSLHANDPERSEC**

The number of SSL handshakes per second

Type: NUMERIC

**SSLHANDAVGTIME**

The average SSL handshake time

Type: NUMERIC

---

## Web Interface

Below is a short description of data sources and corresponding metrics that are collected on the Web Interface managed node:

### CTXSPI\_AVAILB

XML broker availability performance information

#### **UNIQUEKEY**

The dummy key

Type: TEXT

#### **STARTTIME**

The start time of the measurement

Type: NUMERIC

#### **MEASUREMENTID**

GUID identifying site and its components measurement

Type: TEXT

#### **FARMNAME**

The name of the farm the broker is part of

Type: TEXT

#### **BROKERNAME**

The name of the XML broker that was tested

Type: TEXT

#### **ENUMERATION**

The duration of the application enumeration (in ms)

Type: NUMERIC

#### **COMPLETED**

The number of completed phases

Type: NUMERIC

#### **STATUS**

The description of an error (if applicable)

Type: TEXT

#### **DURATION**

The total duration of the broker availability

Type: NUMERIC

**RESERVED1**

Reserved for future use

Type: NUMERIC

**RESERVED2**

Reserved for future use

Type: NUMERIC

**RESERVED3**

Reserved for future use

Type: NUMERIC

**CTXSPI\_AVAILF**

XenApp or XenDesktop's farm availability performance information

**UNIQUEKEY**

The dummy key

Type: TEXT

**STARTTIME**

The start time of the measurement

Type: NUMERIC

**MEASUREMENTID**

The GUID identifying site and its components measurement

Type: TEXT

**FARMNAME**

The name of the farm

Type: TEXT

**HOSTNAME**

The name of the XenApp/DDC server that was selected by the application/desktop load-balancing

Type: TEXT

**APPLICATIONNAME**

The name of the requested application/desktop

Type: TEXT

**ENUMERATION**

The duration of the application enumeration (in ms)

Type: NUMERIC

**REQUEST**

The duration of handling the application request (in ms)

Type: NUMERIC

**ADDRESSREQUEST**

The duration of handling the host address request (in ms)

Type: NUMERIC

**TICKETREQUEST**

The duration of handling the ticket request (in ms)

Type: NUMERIC

**COMPLETED**

The number of completed phases

Type: NUMERIC

**STATUS**

The description of an error (if applicable)

Type: TEXT

**DURATION**

The total duration of the farm availability

Type: NUMERIC

**RESERVED1**

Reserved for future use

Type: NUMERIC

**RESERVED2**

Reserved for future use

Type: NUMERIC

**RESERVED3**

Reserved for future use

Type: NUMERIC

**CTXSPI\_AVAILS**

Web Interface site availability performance information

**UNIQUEKEY**

The dummy key

Type: TEXT

**STARTTIME**

The start time of the measurement

Type: NUMERIC

**MEASUREMENTID**

The GUID identifying site and its components measurement

Type: TEXT

**SITEURL**

The Web Interface site URL

Type: TEXT

**CONNECTION**

The duration of the Web Interface logon page response (in ms)

Type: NUMERIC

**ENUMERATION**

The duration of the application enumeration of all farms that are configured for this site (in ms)

Type: NUMERIC

**COMPLETED**

The number of completed phases

Type: NUMERIC

**STATUS**

The description of an error (if applicable)

Type: TEXT

**DURATION**

The total duration of the farm availability

Type: NUMERIC

**RESERVED1**

Reserved for future use

Type: NUMERIC

**RESERVED2**

Reserved for future use

Type: NUMERIC

**RESERVED3**

Reserved for future use

Type: NUMERIC

## **CTXSPI\_WIFL**

Web Interface failed user logon information

### **USERNAME**

The username

Type: TEXT

### **NRFAILED**

The number of failed user logons since last measurement

Type: NUMERIC

### **URL**

The Web Interface site URL

Type: TEXT

## **CTXSPI\_WILD**

Web Interface failed user logon information

### **WILDKEY**

The logon ID

Type: TEXT

### **DURATION**

The user logon process duration (in ms)

Type: NUMERIC

### **STARTTIME**

The time when user logon process started

Type: NUMERIC

### **URL**

The Web Interface site URL

Type: TEXT

### **USERNAME**

The username

Type: TEXT

---

## **XenApp server**

Below is a short description of data sources and corresponding metrics that are collected on the XenApp server managed node:

## **CTXSPI\_APPS**

Published application usage

**APPNAME**

Fully-qualified name of the application

Type: TEXT

**APPUSAGE**

The number of running instances

Type: NUMERIC

**CTXSPI\_FARM**

Farm and zone membership information

**FARMNAME**

The name of the farm the server is part of

Type: TEXT

**ZONENAME**

The name of the zone the server is part of

Type: NUMERIC

**CTXSPI\_PROFILE**

User profile statistics for each individual user profile on a XenApp server

**USERNAME**

The username

Type: TEXT

**FULL\_SIZE**

Full profile size

Type: NUMERIC

**ROAMING\_SIZE**

The roaming profile size

Type: NUMERIC

**FILE\_COUNT**

The number of all files in the profile

Type: NUMERIC

**ROAMING\_FILE\_COUNT**

The number of roaming files in the profile

Type: NUMERIC

**TIME**

Timestamp of the user profile measurement

Type: NUMERIC

**EXECUTABLES\_EXT**

Extensions for executable files

Type: TEXT

**EXECUTABLES\_COUNT**

The number of executable files in the profile

Type: NUMERIC

**EXECUTABLES\_SIZE**

Total size of executable files in the profile

Type: NUMERIC

**MEDIA\_EXT**

Extensions for media files

Type: TEXT

**MEDIA\_COUNT**

The number of media files in the profile

Type: NUMERIC

**MEDIA\_SIZE**

Total size of media files in the profile

Type: NUMERIC

**CUSTOM\_EXT**

Extensions for custom files

Type: TEXT

**CUSTOM\_COUNT**

The number of custom files in the profile

Type: NUMERIC

**CUSTOM\_SIZE**

Total size of custom files in the profile

Type: NUMERIC

**CTXSPI\_PROFILES**

User profile statistics for all user profiles on a XenApp server



**TIME**

Timestamp of the user profile measurement

Type: NUMERIC

**FULL\_SIZE**

The full size of all profiles

Type: NUMERIC

**ROAMING\_SIZE**

The roaming size of all profiles

Type: NUMERIC

**FILE\_COUNT**

The number of all files in all profiles

Type: NUMERIC

**ROAMING\_FILE\_COUNT**

The number of roaming files in all profiles

Type: NUMERIC

**EXECUTABLES\_EXT**

Extensions for executable files

Type: TEXT

**EXECUTABLES\_COUNT**

The number of executable files in all profiles

Type: NUMERIC

**EXECUTABLES\_SIZE**

Total size of executable files in all profiles

Type: NUMERIC

**MEDIA\_EXT**

Extensions for media files

Type: TEXT

**MEDIA\_COUNT**

The number of media files in all profiles

Type: NUMERIC

**MEDIA\_SIZE**

Total size of media files in all profiles

Type: NUMERIC

**CUSTOM\_EXT**

Extensions for custom files

Type: TEXT

**CUSTOM\_COUNT**

The number of custom files in all profiles

Type: NUMERIC

**CUSTOM\_SIZE**

Total size of custom files in all profiles

Type: NUMERIC

**CTXSPI\_PSLD**

User logon process performance data

**PSLDKEY**

Logon ID

Type: TEXT

**STARTTIME**

The start time of the logon process

Type: NUMERIC

**LOGONTYPE**

Logon type (ICA or RDP session)

Type: NUMERIC

**PHCOMPLETED**

The number of completed logon phases

Type: NUMERIC

**PH1PROFILE**

The duration of the phase 1 of the logon process (in ms)

Type: NUMERIC

**PH2POLICY**

The duration of the phase 2 of the logon process (in ms)

Type: NUMERIC

**PH3USERINIT**

The duration of the phase 3 of the logon process (in ms)

Type: NUMERIC

**PH4SCRIPTS**

The duration of the phase 4 of the logon process (in ms)

Type: NUMERIC

**PH5CTXINIT**

The duration of the phase 5 of the logon process (in ms)

Type: NUMERIC

**DURATION**

Total duration of the user logon process

Type: NUMERIC

**USERNAME**

Username

Type: TEXT

**CTXSPI\_SESM**

XenApp session summary information

**SUMMKEY**

Dummy key value

Type: TEXT

**NUMALLSESS**

The number of all sessions on a server

Type: NUMERIC

**NUMACTSESS**

The number of active session on a server

Type: NUMERIC

**NUMDISCSESS**

The number of disconnected sessions on a server

Type: NUMERIC

**NUMAPPINST**

The number of sessions running published applications on a server

Type: NUMERIC

**NUMIPSESS**

The number of IP sessions running on a server

Type: NUMERIC

**NUMIPXSESS**

The number of IPX sessions running on a server

Type: NUMERIC

**NUMNETBIOSSESS**

The number of NetBIOS sessions running on a server

Type: NUMERIC

**NUMMODEMSESS**

The number of modem sessions running on a server

Type: NUMERIC

**NUMDESKTOPSESS**

The number of desktop sessions running on a server

Type: NUMERIC

**NUMPROCS**

The number of processes running on a server

Type: NUMERIC

**CTXSPI\_SESS**

Session performance information

**HINSTANCENAME**

The name of a user session

Type: TEXT

**PCTPROCESSORTIME**

The % of processor time consumption of a user session (in %)

Type: NUMERIC

**WORKINGSET**

Physical memory consumption of a user session (in bytes)

Type: NUMERIC

**PAGEFILEBYTES**

Virtual memory consumption of a user session (in bytes)

Type: NUMERIC

**TOTALERRORS**

Total network errors per second on a user session

Type: NUMERIC

**TOTALFRAMES**

Total network frames per second on a user session

Type: NUMERIC

**TOTALTIMEOUTS**

Total network timeouts per second that occurred on a user session

Type: NUMERIC

**HANDLECOUNT**

The number of session handles

Type: NUMERIC

**THREADCOUNT**

The number of session threads

Type: NUMERIC

**TOTALBYTES**

Total number of session bytes per second transferred

Type: NUMERIC

**TOTALTRANSERRORS**

Total number of session transmission errors

Type: NUMERIC

**CTXSPI\_SESX**

Extended session information

**SESSIONNAME**

The name of a user application session

Type: TEXT

**SESSIONID**

The ID of a user application session

Type: NUMERIC

**DOMAINNAME**

The domain name of the user running the application session

Type: TEXT

**USERNAME**

The username of the user running the application session

Type: TEXT

**STATE**

The state of the user application session (active, disconnected, connected, and so on)

Type: TEXT

**LOGONTIME**

The logon time of the user application session (in seconds since 1.1.1970)

Type: NUMERIC

**LASTINPUTTIME**

The time when user made the last interactive input on an application session (in seconds since 1.1.1970)

Type: NUMERIC

**ADDRFAMILY**

The address family of a user application session (IP, IPX, NetBIOS)

Type: TEXT

**ISMODEMSESS**

Is the session a modem session (1 - session is a modem session, 0 - session is not a modem session)

Type: NUMERIC

**APPDN**

Fully-qualified name of the application running within a session

Type: TEXT

**ISDESKTOPSESS**

Is the session a desktop session (1 - session is a desktop session, 0 - session is not a desktop session)

Type: NUMERIC

**CPUTIME**

The cumulative amount of CPU time spent by the application session (in seconds)

Type: NUMERIC

**WORKINGSETSIZE**

The amount of physical memory currently spent by the application session (in bytes)

Type: NUMERIC

**PAGEFILESIZE**

The amount of virtual memory currently spent by the application on a session (in bytes)

Type: NUMERIC

**CTXSPI\_SICA**

ICA session statistics

**HINSTANCENAME**

The name of a user ICA session

Type: TEXT

**LATENCYLASTRECORDED**

The last-recorded session latency on a user ICA session (in milliseconds)

Type: NUMERIC

**LATENCYSESSIONAVERAGE**

The average session latency on a user ICA session (in milliseconds)

Type: NUMERIC

**LATENCYSESSIONDEV**

The session latency deviation

Type: NUMERIC

**CTXSPI\_SVCS**

XenApp service resource consumption

**HINSTANCENAME**

The name of a XenApp service

Type: TEXT

**PCTPROCESSORTIME**

The % of the processor time consumption of a XenApp service (in %)

Type: NUMERIC

**WORKINGSET**

Physical memory consumption of a XenApp service (in bytes)

Type: NUMERIC

**PAGEFILEBYTES**

Virtual memory consumption of a XenApp service (in bytes)

Type: NUMERIC

---

## SPI for Citrix Graphs

The SPI for Citrix graph family contains the following graph categories and graphs:

---

### APS - Application Availability

This graph category contains the following graphs:

#### **Application availability through phases**

Shows the application responsiveness through each phase for one day (select only one application instance)

#### **Completed phases**

Shows the probing completed phases

#### **Unavailable applications**

Shows all applications with issues (select all application instances)

#### **Web Interface and ICA client response time**

Shows the application responsiveness through Web Interface and ICA client part for one day (select only one application instance)

---

### CLS - License Server

This graph category contains the following graphs:

#### **Feature License Use**

Shows the number of available and used feature licenses on a Citrix License Server

#### **Feature License Utilization**

Shows the percentage of used feature licenses on a Citrix License Server

---

### DDC - Desktops

This graph category contains the following graphs:

#### **XenDesktop Idle desktops**

Shows the number of idle desktops in desktop group

#### **XenDesktop Not-registered desktops**

Shows the number of not-registered desktops in desktop group

---

### DDC - Sessions

This graph category contains the following graphs:



**Active XenDesktop sessions**

Shows the number of active XenDesktop sessions in desktop group

**All XenDesktop sessions**

Shows the number of all XenDesktop sessions in desktop group

**Disconnected XenDesktop sessions**

Shows the number of disconnected XenDesktop sessions in desktop group

---

**PVS - Device cache/network traffic**

This graph category contains the following graphs:

**Device disk cache size**

Shows the disk cache size for each device on Provisioning Server

**Device RAM disk utilization**

Shows the RAM disk utilization for each device on Provisioning Server

**PVS Network traffic**

Shows the network traffic for Provisioning Server

---

**SG - Connection Activity**

This graph category contains the following graphs:

**Connection Network Load**

Shows the network traffic rate coming from clients and being delivered to clients on a Secure Gateway system

**Connection Statistics**

Shows the number of active connections, the number of pending connections, the number of connection per second, and the average client connect time on the Secure Gateway system

**SSL Handshake Statistics**

Shows the number of SSL handshakes per second, the number of pending SSL handshakes, and the average SSL handshake time on a Secure Gateway system

---

**WI - User Logon Process**

This graph category contains the following graphs:

**Total User Logon Failures**

Shows the total number of failed user logons on the Web Interface system

### **User Logon Failures**

Shows the number of failed user logons for each individual user that logged-in to the Web Interface system

### **WI - Average User Logon Duration**

Shows the average duration of the logon process for all users that logged-in to the Web Interface system

### **WI - Duration of User Logons**

Shows duration of the logon process for each individual user that logged-in to the Web Interface system

---

## **XA - Active Session Load**

This graph category contains the following graphs:

### **Active Sessions vs. System CPU**

Shows the number of active sessions vs. system CPU utilization

### **Active Sessions vs. System Disk IO**

Shows the number of active sessions vs. system disk IO rate

### **Active Sessions vs. System Network IO**

Shows the number of active sessions vs. system network IO rate

### **Active Sessions vs. System Physical Memory**

Shows the number of active sessions vs. system physical memory utilization

### **Active Sessions vs. System Virtual Memory**

Shows the number of active sessions vs. system virtual memory utilization

---

## **XA - Application Usage**

This graph category contains the following graphs:

### **Application Usage**

Shows the application usage on the server

---

## **XA - Session Resource Use**

This graph category contains the following graphs:

### **Session CPU (no Console)**

Shows CPU consumption for individual sessions

### **Session Handle Count (no Console)**

Shows number of handles used by individual sessions

**Session Network Bytes (no Console)**

Shows total number of session network bytes used by individual sessions

**Session Network Errors (no Console)**

Shows total number of session network errors for individual sessions

**Session Network Frames (no Console)**

Shows total number of session network frames used by individual sessions

**Session Network Timeouts (no Console)**

Shows total number of session network timeouts for individual sessions

**Session Network Transport Errors (no Console)**

Shows total number of session network transport errors for individual sessions

**Session Physical Memory (no Console)**

Shows physical memory consumption for individual sessions

**Session Thread Count (no Console)**

Shows number of threads used by individual sessions

**Session Virtual Memory (no Console)**

Shows virtual memory consumption for individual sessions

---

**XA - Sessions**

This graph category contains the following graphs:

**Active Sessions**

Shows the number of active sessions on the server

**All Sessions**

Shows the number of all sessions on the server

**Application Instances**

Shows the number of published application instances running across all sessions on the server

**Desktop Sessions**

Shows the number of desktop sessions on the server

**Inactive Sessions**

Shows the number of inactive sessions on the server

**Session Processes**

Shows the number of processes running across all sessions on the server

---

## XA - User Logon Process

This graph category contains the following graphs:

### **Average User Logon Duration**

Shows the average duration of the logon process for all users that logged-in to the system

### **Completed User Logon Process Phases**

Shows the number of completed user logon process phases for each individual user that logged-in to the system

### **Duration of User Logons**

Shows duration of the logon process for each individual user that logged-in to the system

### **User Logon Process Duration (Phase 1)**

Shows duration of the phase 1 of the logon process for each individual user that logged-in to the system

### **User Logon Process Duration (Phase 2)**

Shows duration of the phase 2 of the logon process for each individual user that logged-in to the system

### **User Logon Process Duration (Phase 3)**

Shows duration of the phase 3 of the logon process for each individual user that logged-in to the system

### **User Logon Process Duration (Phase 4)**

Shows duration of the phase 4 of the logon process for each individual user that logged-in to the system

### **User Logon Process Duration (Phase 5)**

Shows duration of the phase 5 of the logon process for each individual user that logged-in to the system

---

## XA - User Profiles

This graph category contains the following graphs:

### **Custom Files Count**

Shows the number of custom-defined files across all user profiles on the system

### **Custom Files Size**

Shows the total size of custom-defined files across all user profiles on the system

### **Executable Files Count**

Shows the number of executable files present across all user profiles

**Executable Files Size**

Shows the total size of executable files present across all user profiles

**Media Files Count**

Shows the number of media files across all user profiles on the system

**Media Files Size**

Shows the total size of media files across all user profiles on the system

**Profiles Size**

Shows total and roaming size that all user profiles occupy on the system

---

## SPI for Citrix Reports and Report Groups

When you install SPI for Citrix, a new top level report group is added in the HP Operations Manager administrator GUI. The SPI for Citrix report group contains all reports used for managing your Citrix environment.

When you use SPI for Citrix, reports are grouped by their purpose. This structure helps you to quickly find the report that you need to use.

---

### NOTE

All reports require SPI for Citrix policies assigned on a server for at least two days.

---

## Infrastructure Report Group

### LS - Citrix License Server

#### **CTXSPI\_LsLicenseUse28Days**

Citrix License Server license use (last 28 days)

### SG - Citrix Secure Gateway

#### **CTXSPI\_Sg3ConnDetails28Days**

Secure Gateway Connection Statistics (last 28 days)

#### **CTXSPI\_Sg3NetworkDetails28Days**

Secure Gateway Connection Traffic Statistics (last 28 days)

#### **CTXSPI\_Sg3SSLHandshakeDetails28Days**

Secure Gateway SSL Handshake Statistics (last 28 days)

### WI - Citrix Web Interface

#### **CTXSPI\_WiAllLogonsPerUser28Days**

All Web Interface User Logon Details (last 28 days)

#### **CTXSPI\_WiAvgLogonTimePerHourUrl28Days**

Web Interface Average User Logon Time per Web Interface URL (last 28 days)

#### **CTXSPI\_WiAvgLogonTimePerHourUrlYesterday**

Web Interface Average User Logon Time per Web Interface URL (yesterday)

#### **CTXSPI\_WiFarmAvail28Days**

Farm Availability from Web Interface Perspective (last 28 days)

#### **CTXSPI\_WiFarmAvailBrokerXMLIssues28Days**

XML Broker Issues (last 28 days)

**CTXSPI\_WiFarmAvailIssues28Days**

Farm Availability Issues from Web Interface Perspective (last 28 days)

**CTXSPI\_WiFarmAvailPerfStat28Days**

Web Interface Response Time (last 28 days)

**CTXSPI\_WiFarmAvailPerfStatYesterday**

Web Interface Response Time (yesterday)

**CTXSPI\_WiFarmAvailYesterday**

Farm Availability from Web Interface Perspective (yesterday)

**CTXSPI\_WiNrFailedLogonsPerUrl28Days**

Number of Failed User Logons per Web Interface URL (last 28 days)

**CTXSPI\_WiTop10WiWorstLogonTime28Days**

Top 10 Web Interfaces with Highest Average User Logon Time (last 28 days)

**CTXSPI\_WiTop10WiWorstLogonTimeYesterday**

Top 10 Web Interfaces with Highest Average User Logon Time (yesterday)

**CTXSPI\_WiTop30UsersMostFailedLogons28Days**

Top 30 Users with Highest Number of Failed Web Interface Logons (last 28 days)

**CTXSPI\_WiTop30UsersWorstLogonTime28Days**

Top 30 Users with Highest Average Web Interface Logon Time (last 28 days)

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## Support Report Group

### CTXSPI Support

**CTXSPI\_SupportApps**

Support report for CTXSPI\_APPS

**CTXSPI\_SupportAppsSum**

Support report for CTXSPI\_APPS\_SUM

**CTXSPI\_SupportAvaila**

Support report for CTXSPI\_AVAILA

**CTXSPI\_SupportAvailb**

Support report for CTXSPI\_AVAILB

**CTXSPI\_SupportAvailf**

Support report for CTXSPI\_AVAILF

**CTXSPI\_SupportAvails**

Support report for CTXSPI\_AVAILS

**CTXSPI\_SupportDDC**

Support report for CTXSPI\_DDC

**CTXSPI\_SupportDDCFarm**

Support report for CTXSPI\_DDCFARM

**CTXSPI\_SupportDDCFarmOneV**

Support report for CTXSPI\_DDCFARM\_ONE\_V

**CTXSPI\_SupportDDCSvcs**

Support report for CTXSPI\_DDCSVCS

**CTXSPI\_SupportFarm**

Support report for CTXSPI\_FARM

**CTXSPI\_SupportFarmOneV**

Support report for CTXSPI\_FARM\_ONE\_V

**CTXSPI\_SupportLslu**

Support report for CTXSPI\_LSLU

**CTXSPI\_SupportProfile**

Support report for CTXSPI\_PROFILE

**CTXSPI\_SupportProfiles**

Support report for CTXSPI\_PROFILES

**CTXSPI\_SupportPslid**

Support report for CTXSPI\_PSLD

**CTXSPI\_SupportPVS\_Netload**

Support report for CTXSPI\_PVS\_NETLOAD

**CTXSPI\_SupportPVSCache**

Support report for CTXSPI\_PVSCACHE

**CTXSPI\_SupportPVSFarm**

Support report for CTXSPI\_PVSFARM

**CTXSPI\_SupportPVSFarmOneV**

Support report for CTXSPI\_PVSFARM\_ONE\_V

**CTXSPI\_SupportPVSSvcs**

Support report for CTXSPI\_PVSSVCS



**CTXSPI\_SupportSesm**

Support report for CTXSPI\_SESM

**CTXSPI\_SupportSesmSum**

Support report for CTXSPI\_SESM\_SUM

**CTXSPI\_SupportSess**

Support report for CTXSPI\_SESS

**CTXSPI\_SupportSessSum**

Support report for CTXSPI\_SESS\_SUM

**CTXSPI\_SupportSesx**

Support report for CTXSPI\_SESX

**CTXSPI\_SupportSesxAppDn**

Support report for CTXSPI\_SESX / APPDN not NULL

**CTXSPI\_SupportSesxSum**

Support report for CTXSPI\_SESX\_SUM

**CTXSPI\_SupportSesxSumAppDn**

Support report for CTXSPI\_SESX\_SUM / APPDN not NULL

**CTXSPI\_SupportSgs3**

Support report for CTXSPI\_SGS3

**CTXSPI\_SupportSica**

Support report for CTXSPI\_SICA

**CTXSPI\_SupportSicaSum**

Support report for CTXSPI\_SICA\_SUM

**CTXSPI\_SupportWifl**

Support report for CTXSPI\_WIFL

**CTXSPI\_SupportWild**

Support report for CTXSPI\_WILD

**XS - Support reports****CTXSPI\_SupportHostProp**

Support report for CTXSPI\_HOST\_PROPS

**CTXSPI\_SupportHostStat**

Support report for CTXSPI\_HOST\_STATS

**CTXSPI\_SupportNetwProp**

Support report for CTXSPI\_NETWORK\_PROPS

**CTXSPI\_SupportNetwStat**

Support report for CTXSPI\_NETWORK\_STATS

**CTXSPI\_SupportPoolProp**

Support report for CTXSPI\_POOL\_PROPS

**CTXSPI\_SupportPoolStat**

Support report for CTXSPI\_POOL\_STATS

**CTXSPI\_SupportSRProp**

Support report for CTXSPI\_STORAGE\_PROPS

**CTXSPI\_SupportSRStat**

Support report for CTXSPI\_STORAGE\_STATS

**CTXSPI\_SupportVMProp**

Support report for CTXSPI\_GUEST\_PROPS

**CTXSPI\_SupportVMStat**

Support report for CTXSPI\_GUEST\_STATS

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**XenApp Report Group****PS - Accounting****CTXSPI\_PsAccountingAppMonthFarm**

Application Accounting Information (farm/last month)

**CTXSPI\_PsAccountingUserMonthFarm**

User Accounting Information (farm/last month)

**PS - Application Availability****CTXSPI\_PsAppsAvail28Days**

Top 10 Most and Least Available Applications (last 28 days)

**CTXSPI\_PsAppsAvailPerfStat28Days**

Top 10 Slowest and Fastest Responding Applications (last 28 days)

**CTXSPI\_PsAppsAvailSrvIssues28Days**

Application Availability Issues on ICA Client Level (WI/last 28 days)

**CTXSPI\_PsAppsAvailSrvWorsePerfStatDetails28Days**

XenApp Response Time Details (server/last 28 days)

**CTXSPI\_PsAppsAvailWilIssues28Days**

Application Availability Issues on Web Interface Level (WI/last 28 days)

**CTXSPI\_PsAppsAvailWIWorsePerfStatDetails28Days**

Web Interface Response Time Details (Web Interface/last 28 days)

**CTXSPI\_PsAppsAvailWorsePerfStatOverview28Days**

Web Interface and XenApp Responsiveness (last 28 days)

**PS - Published Applications****CTXSPI\_PsAppNrConcurrUsers28DaysFarm**

Number of Concurrent Published Application Users (farm/last 28 days)

**CTXSPI\_PsAppNrConcurrUsers28DaysServer**

Number of Concurrent Published Application Users (server/last 28 days)

**CTXSPI\_PsAppNrConcurrUsersDayFarm**

Number of Concurrent Published Application Users (farm/yesterday)

**CTXSPI\_PsAppNrConcurrUsersDayServer**

Number of Concurrent Published Application Users (server/yesterday)

**CTXSPI\_PsAppNrUsers28DaysFarm**

Number of Published Application Users (farm/last 28 days)

**CTXSPI\_PsAppNrUsers28DaysServer**

Number of Published Application Users (server/last 28 days)

**CTXSPI\_PsAppNrUsersDayFarm**

Number of Published Application Users (farm/yesterday)

**CTXSPI\_PsAppNrUsersDayServer**

Number of Published Application Users (server/yesterday)

**CTXSPI\_PsPublAppUseStat28DaysFarm**

Published Application Use Statistics (farm/last 28 days)

**CTXSPI\_PsPublAppUseStat28DaysServer**

Published Application Use Statistics (server/last 28 days)

**CTXSPI\_PsTopAppCpu28DaysFarm**

Top 10 Published Applications by CPU use (farm/last 28 days)

**CTXSPI\_PsTopAppCpu28DaysServer**

Top 10 Published Applications by CPU use (server/last 28 days)

**CTXSPI\_PsTopAppCpuDayFarm**

Top 10 Published Applications by CPU use (farm/yesterday)

**CTXSPI\_PsTopAppCpuDayServer**

Top 10 Published Applications by CPU use (server/yesterday)

**CTXSPI\_PsTopAppMem28DaysFarm**

Top 10 Published Applications by Memory use (farm/last 28 days)

**CTXSPI\_PsTopAppMem28DaysServer**

Top 10 Published Applications by Memory use (server/last 28 days)

**CTXSPI\_PsTopAppMemDayFarm**

Top 10 Published Applications by Memory use (farm/yesterday)

**CTXSPI\_PsTopAppMemDayServer**

Top 10 Published Applications by Memory use (server/yesterday)

**CTXSPI\_PsTopAppNumInst28DaysFarm**

Top 10 Published Applications by Nr. of Launched Instances (farm/last 28 days)

**CTXSPI\_PsTopAppNumInst28DaysServer**

Top 10 Published Applications by Nr. of Launched Instances (server/last 28 days)

**CTXSPI\_PsTopAppNumInstDayFarm**

Top 10 Published Applications by Nr. of Launched Instances (farm/yesterday)

**CTXSPI\_PsTopAppNumInstDayServer**

Top 10 Published Applications by Nr. of Launched Instances (server/yesterday)

**PS - Servers****CTXSPI\_PsTopSrvSessAvgLat28DaysFarm**

Top 10 Servers with Highest Average Session Latency (farm/last 28 days)

**CTXSPI\_PsTopSrvSessAvgLatDayFarm**

Top 10 Servers with Highest Average Session Latency (farm/yesterday)

**CTXSPI\_PsTopSrvSessLatDev28DaysFarm**

Top 10 Servers with Highest Session Latency Deviation (farm/last 28 days)

**CTXSPI\_PsTopSrvSessLatDevDayFarm**

Top 10 Servers with Highest Session Latency Deviation (farm/yesterday)

**CTXSPI\_PsTopSrvSvcscpu28DaysFarm**

Top 10 Servers with Highest Citrix Services CPU use (farm/last 28 days)

**CTXSPI\_PsTopSrvSvcsCpuDayFarm**

Top 10 Servers with Highest Citrix Services CPU use (farm/yesterday)

**CTXSPI\_PsTopSrvSvcsMem28DaysFarm**

Top 10 Servers with Highest Citrix Services Memory use (farm/last 28 days)

**CTXSPI\_PsTopSrvSvcsMemDayFarm**

Top 10 Servers with Highest Citrix Services Memory use (farm/yesterday)

**CTXSPI\_PsTopSrvSvcsSwap28DaysFarm**

Top 10 Servers with Highest Citrix Services Swap use (farm/last 28 days)

**CTXSPI\_PsTopSrvSvcsSwapDayFarm**

Top 10 Servers with Highest Citrix Services Swap use (farm/yesterday)

**PS - Sessions****CTXSPI\_PsSessionsLogonLogoff28DaysFarm**

Session Logon/Logoff Activity (farm/last 28 days)

**CTXSPI\_PsSessionsLogonLogoff28DaysServer**

Session Logon/Logoff Activity (server/last 28 days)

**CTXSPI\_PsSessionsLogonLogoffFarm**

Session Logon/Logoff Activity (farm/yesterday)

**CTXSPI\_PsSessionsLogonLogoffServer**

Session Logon/Logoff Activity (server/yesterday)

**CTXSPI\_PsSessionsState28DaysFarm**

Session State Activity (farm/last 28 days)

**CTXSPI\_PsSessionsState28DaysServer**

Session State Activity (server/last 28 days)

**CTXSPI\_PsSessionsStateFarm**

Session State Activity (farm/yesterday)

**CTXSPI\_PsSessionsStateServer**

Session State Activity (server/yesterday)

**CTXSPI\_PsSessionsUserstatFarm**

User's Sessions Duration and Resource Consumption (farm/yesterday)

**PS - Threshold Assistant****CTXSPI\_PsThrAssSessCpuMem28DaysFarm**

Threshold Assistant for Session CPU and Memory Policies (farm/last 28 days)

**CTXSPI\_PsThrAssSessCpuMem28DaysServer**

Threshold Assistant for Session CPU and Memory Policies (server/last 28 days)

**CTXSPI\_PsThrAssSessNetLat28DaysFarm**

Threshold Assistant for Session Network Latency Policies (farm/last 28 days)

**CTXSPI\_PsThrAssSessNetLat28DaysServer**

Threshold Assistant for Session Network Latency Policies (server/last 28 days)

**CTXSPI\_PsThrAssSessNetTra28DaysFarm**

Threshold Assistant for Session Network Traffic Policies (farm/last 28 days)

**CTXSPI\_PsThrAssSessNetTra28DaysServer**

Threshold Assistant for Session Network Traffic Policies (server/last 28 days)

**CTXSPI\_PsThrAssSessState28DaysFarm**

Threshold Assistant for Session State Policies (farm/last 28 days)

**CTXSPI\_PsThrAssSessState28DaysServer**

Threshold Assistant for Session State Policies (server/last 28 days)

**PS - User Logon Process****CTXSPI\_PsLogProcSrvLogonDetailsDay**

User Logon Process Details per Server (server/yesterday)

**CTXSPI\_PsLogProcSrvLogonTime28Days**

User Logon Process Duration Statistics per Server (last 28 days)

**CTXSPI\_PsLogProcSrvUnfinPhase0Day**

Servers with Issues in Phase 1 of the User Logon Process (yesterday)

**CTXSPI\_PsLogProcSrvUnfinPhase1Day**

Servers with Issues in Phase 2 of the User Logon Process (yesterday)

**CTXSPI\_PsLogProcSrvUnfinPhase2Day**

Servers with Issues in Phase 3 of the User Logon Process (yesterday)

**CTXSPI\_PsLogProcSrvUnfinPhase3Day**

Servers with Issues in Phase 4 of the User Logon Process (yesterday)

**CTXSPI\_PsLogProcSrvUnfinPhase4Day**

Servers with Issues in Phase 5 of the User Logon Process (yesterday)

**CTXSPI\_PsLogProcSrvUnfinPhasesDay**

Servers with User Logon Process Issues (yesterday)

**CTXSPI\_PsLogProcTop30SrvCompletedLogonsDay**

Top 30 Servers with Highest Number of Completed User Logons (yesterday)

**CTXSPI\_PsLogProcTop30SrvWorstLogonTime28Days**

Top 30 Servers with Highest Average User Logon Time (last 28 days)

**CTXSPI\_PsLogProcTop30SrvWorstPh1DurDay**

Top 30 Servers with the Longest Phase 1 Duration (yesterday)

**CTXSPI\_PsLogProcTop30SrvWorstPh2DurDay**

Top 30 Servers with the Longest Phase 2 Duration (yesterday)

**CTXSPI\_PsLogProcTop30SrvWorstPh3DurDay**

Top 30 Servers with the Longest Phase 3 Duration (yesterday)

**CTXSPI\_PsLogProcTop30SrvWorstPh4DurDay**

Top 30 Servers with the Longest Phase 4 Duration (yesterday)

**CTXSPI\_PsLogProcTop30SrvWorstPh5DurDay**

Top 30 Servers with the Longest Phase 5 Duration (yesterday)

**CTXSPI\_PsLogProcTop30UsersUnfinPha28Days**

Top 30 Users with Highest Number of Unsuccessful Logons (last 28 days)

**CTXSPI\_PsLogProcTop30UsersUnfinPhaDay**

Top 30 Users with Highest Number of Unsuccessful Logons (yesterday)

**CTXSPI\_PsLogProcTop30UsersWorstLT28Days**

Top 30 Users with the Highest Average Logon Time Duration (last 28 days)

**CTXSPI\_PsLogProcUserLogonDetailsDay**

User Logon Process Details (user/yesterday)

**PS - User Profiles**

**CTXSPI\_PsProfCustFileStatsServerDay**

Server statistics on custom files in user profiles (yesterday)

**CTXSPI\_PsProfExecFileStatsServerDay**

Server statistics on executable files in user profiles (yesterday)

**CTXSPI\_PsProfMediaFileStatsServerDay**

Server statistics on media files in user profiles (yesterday)

**CTXSPI\_PsProfTop30UsersCustFilesSizeDay**

Top 30 users by size of custom files in user profile (yesterday)

**CTXSPI\_PsProfTop30UsersExecFilesSizeDay**

Top 30 users by size of executable files in user profile (yesterday)

**CTXSPI\_PsProfTop30UsersMediaFilesSizeDay**

Top 30 users by size of media files in user profile (yesterday)

**CTXSPI\_PsProfTop30UsersProfileSizeDay**

Top 30 users by their user profile size (yesterday)

**CTXSPI\_PsProfTopServersProfileSizeDay**

Top servers by size of user profiles (yesterday)

**CTXSPI\_PsProfUserProfileDetailsDay**

User profile details (yesterday)

**PS - Users****CTXSPI\_PsUserNrUsers28DaysFarm**

Number of Logged-in Users (farm/last 28 days)

**CTXSPI\_PsUserNrUsers28DaysServer**

Number of Logged-in Users (server/last 28 days)

**CTXSPI\_PsUserNrUsersDayFarm**

Number of Logged-in Users (farm/yesterday)

**CTXSPI\_PsUserNrUsersDayServer**

Number of Logged-in Users (server/yesterday)

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**XenDesktop Report Group****XD DDC - Citrix Desktop Delivery Controller****CTXSPI\_XdDDCDesktopOptimizer28DaysFarm**

Idle Pool Settings Optimizer (last 28 days)

**CTXSPI\_XdDDCSessionActivity28DaysFarm**

Session and Desktop Group Activity in XenDesktop Farm (last 28 days)

**CTXSPI\_XdDDCTopSrvSvcsCpu28Days**

Top 10 - CPU Use of DDC Services (last 28 days)

**CTXSPI\_XdDDCTopSrvSvcsMem28Days**

Top 10 - Memory Use of DDC Services (last 28 days)

**XD PVS - Citrix Provisioning Server**



**CTXSPI\_XdPVSCacheUtil28DaysStore**

Device Disk Cache Use on Store (last 28 days)

**CTXSPI\_XdPVSCacheUtil28DaysVdisk**

Disk Cache Size on Store by vDisk (last 28 days)

**CTXSPI\_XdPVSNetload28DaysServer**

Provisioning Server Network Utilization (last 28 days)

**CTXSPI\_XdPVSTopSrvSvcscpu28Days**

Top 10 - CPU Use of PVS Services (last 28 days)

**CTXSPI\_XdPVSTopSrvSvcsmem28Days**

Top 10 - Memory Use of PVS Services (last 28 days)

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## XenServer Report Group

### XS - Host reports

**CTXSPI\_TopBottom10HostsByTasks28Days**

Top and bottom 10 hosts by number of tasks (last 28 days)

**CTXSPI\_TopBottom10HostsByTasksDay**

Top and bottom 10 hosts by number of tasks (yesterday)

**CTXSPI\_TopBottom10HostsByVMs28Days**

Top and bottom 10 hosts by number of VMs (last 28 days)

**CTXSPI\_TopBottom10HostsByVMsDay**

Top and bottom 10 hosts by number of VMs (yesterday)

**CTXSPI\_TopBottom10HostsCPU28Days**

Top and bottom 10 hosts by CPU utilization (last 28 days)

**CTXSPI\_TopBottom10HostsCPUDay**

Top and bottom 10 hosts by CPU utilization (yesterday)

**CTXSPI\_TopBottom10HostsMemUtil28Days**

Top and bottom 10 hosts by memory utilization (last 28 days)

**CTXSPI\_TopBottom10HostsMemUtilDay**

Top and bottom 10 hosts by memory utilization (yesterday)

**CTXSPI\_TopBottom10HostsNetwTraffic28Days**

Top and bottom 10 hosts by network traffic (last 28 days)

**CTXSPI\_TopBottom10HostsNetwTrafficDay**

Top and bottom 10 hosts by network traffic (yesterday)

**CTXSPI\_TopBottom10HostsSRUtil28Days**

Top and bottom 10 hosts by storage utilization (last 28 days)

**CTXSPI\_TopBottom10HostsSRUtilDay**

Top and bottom 10 hosts by storage utilization (yesterday)

**XS - Network reports****CTXSPI\_TopBottom10NetwTraff28Days**

Top and bottom 10 networks by traffic (last 28 days)

**CTXSPI\_TopBottom10NetwTraffDay**

Top and bottom 10 networks by traffic (yesterday)

**CTXSPI\_TopBottom10NetwVIF28Days**

Top and bottom 10 networks by number of VIFs (last 28 days)

**CTXSPI\_TopBottom10NetwVIFDay**

Top and bottom 10 networks by number of VIFs (yesterday)

**XS - Pool reports****CTXSPI\_PoolNrHosts28Days**

Number of hosts in pool (last 28 days)

**CTXSPI\_PoolNrHostsDay**

Number of hosts in pool (yesterday)

**CTXSPI\_PoolNrSRs28Days**

Number of storage repositories in pool (last 28 days)

**CTXSPI\_PoolNrSRsDay**

Number of storage repositories in pool (yesterday)

**CTXSPI\_PoolNrVMs28Days**

Number of virtual machines in pool (last 28 days)

**CTXSPI\_PoolNrVMsDay**

Number of virtual machines in pool (yesterday)

**CTXSPI\_TopBottom5PoolsByHosts28Days**

Top and bottom 5 pools by active hosts (last 28 days)

**CTXSPI\_TopBottom5PoolsByHostsDay**

Top and bottom 5 pools by active hosts (yesterday)

**CTXSPI\_TopBottom5PoolsByTasks28Days**

Top and bottom 5 pools by tasks (last 28 days)

**CTXSPI\_TopBottom5PoolsByTasksDay**

Top and bottom 5 pools by tasks (yesterday)

**XS - State of the environment****CTXSPI\_LastStateHost**

Last state - hosts

**CTXSPI\_LastStateNetw**

Last state - networks

**CTXSPI\_LastStatePool**

Last state - pools

**CTXSPI\_LastStateSR**

Last state - storage repositories

**CTXSPI\_LastStateVM**

Last state - virtual machines

**XS - Storage reports****CTXSPI\_TopBottom10SRIO28Days**

Top and bottom 10 storage repositories by I/O rate (last 28 days)

**CTXSPI\_TopBottom10SRIODay**

Top and bottom 10 storage repositories by I/O rate (yesterday)

**CTXSPI\_TopBottom10SRUtil28Days**

Top and bottom 10 storage repositories by utilization (last 28 days)

**CTXSPI\_TopBottom10SRUtilDay**

Top and bottom 10 storage repositories by utilization (yesterday)

**XS - Threshold Assistant****CTXSPI\_ThreshAssistHost**

Threshold Assistant - host policies

**CTXSPI\_ThreshAssistNetw**

Threshold Assistant - network policies

**CTXSPI\_ThreshAssistVM**

Threshold Assistant - VM policies

## **XS - VM reports**

### **CTXSPI\_TopBottom10VMsMemUtil28Days**

Top and bottom 10 VMs by memory utilization (last 28 days)

### **CTXSPI\_TopBottom10VMsMemUtilDay**

Top and bottom 10 VMs by memory utilization (yesterday)

### **CTXSPI\_TopBottom10VMsNetwTraff28Days**

Top and bottom 10 VMs by network traffic (last 28 days)

### **CTXSPI\_TopBottom10VMsNetwTraffDay**

Top and bottom 10 VMs by network traffic (yesterday)

### **CTXSPI\_TopBottom10VMsSRIO28Days**

Top and bottom 10 VMs by storage I/O rate (last 28 days)

### **CTXSPI\_TopBottom10VMsSRIODay**

Top and bottom 10 VMs by storage I/O rate (yesterday)

### **CTXSPI\_TopBottom10VMsVCPU28Days**

Top and bottom 10 VMs by VCPU utilization (last 28 days)

### **CTXSPI\_TopBottom10VMsVCPUDay**

Top and bottom 10 VMs by VCPU utilization (yesterday)

### **CTXSPI\_VMsUptime**

Top and bottom 10 virtual machines by uptime