HP Software

Unified Correlation Analyzer for Topology based Correlation V1.2

Release Notes

Edition: 1.0

For the HP-UX (11.31) And Linux (RHEL 5.2) Operating Systems

July 2011

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Preface

These Release Notes describe critical information related to the HP Unified Correlation Analyzer for Topology based Correlation product.

Please read this document before installing or using this Software.

Software Versions

The term UNIX is used as a generic reference to the operating system, unless otherwise specified.

The UCA software versions	TeMIP	UNIX	TeMIP Client
UCA V12I Level 0 Revision A	6.x	HP-UX Itanium (11.31)	TeMIP Client V6.2 Level 1 for Windows: • Windows XP • Windows Vista • Windows Server 2003
UCA V12L Level 0 Revision A	6.x	Red Hat Enterprise Linux Server release 5.2 (Tikanga)	TeMIP Client V6.2 Level 1 for Windows: • Windows XP • Windows Vista • Windows Server 2003

Typographical Conventions

`Courier` Font:

- Source code and examples of file contents.
- Commands that you enter on the screen.
- Pathnames
- Keyboard key names

Italic Text:

- Filenames, programs and parameters.
- The names of other documents referenced in this manual.

Bold Text:

- To introduce new terms and to emphasize important words.

Associated Documents

- *HP UCA Topo TeMIP Integration Guide*
- *HP UCA Topo Installation and Configuration Guide*
- *HP UCA Topo User Guide*

Support

Please visit our HP Software Web site at: www.hp.com/go/hpsoftwaresupport for contact information, and details about HP Software products, services, and support.

The Software support area of the Software Web site includes the following:

- *Downloadable documentation*
- *Troubleshooting information*
- *Updates*
- *Problem reporting*
- *Training information*
- *Support program information*

Chapter 1

Introduction

1.1 Products Goals

UCA, which stands for **U**nified **C**orrelation **A**nalyzer, is a universal alarm "correlation" engine, which can be plugged to any network management system to act as an external rule-based analyzer.

However, this release of the product is currently tightly integrated with TeMIP to perform in particular **topology-based** correlation and **service impact**. As such, it can be seen as a replacement of TSM (TeMIP Service Monitor). It has also some **problem detection** or **root cause analysis** capabilities.

1.2 The documentation set and how to use it

To get a quick overview of UCA and its privileged integration with the TeMIP Network Management System, please read the *UCA TeMIP Integration Guide* first. It contains in particular a simple example to start with.

To Install and Configure UCA, please read and comply with *UCA Installation* and *Configuration Guide.*

For information on correlation scenario developments, product concepts and architecture, and advanced usage please read the *UCA User Guide.*

Note: A training/workshop is advised for being able to fully use and master the product. Please contact NGOSS training team at sophia-temip-training@hp.com for more information.

Additionally, the *HP TeMIP Client* documentation (V6.1 or later) describes the new Alarm Navigation enhancements available in Real-time and History Alarm Handling Plug-in windows. This allows for displaying Unified Correlation Analyzer results.

Chapter 2

Unified Correlation Analyzer for Topology based Correlation licenses

2.1 Autopass and UCA

License keys are required to use Unified Correlation Analyzer for Topology based Correlation. Licensing is managed with AutoPassJ (automatically installed with UCA).

2.2 Obtaining a License

Keys must be obtained using the information provided with the license deliverable. An authorization ID is provided for each license, which allows the user to generate license keys from the HP License Key Delivery Service website according to instructions provided with the license agreement. Refer to “HP UCA for Topology Based Correlation Installation and Configuration” Guide for more details.

Chapter 3

What's new with UCA Topo V1.2

3.1 Support of I18N

UCA Topo V1.2 can support I18N in GUI and Data.

Software internationalization (I18N) is defined as "the process of designing a software application so that it can be adapted to various languages and regions without engineering changes".

Software localization (L10N) is defined as "the process of adapting internationalized software for a specific region or language by adding locale-specific components and translating text". **Error! Bookmark not defined.**

The process of internationalization will apply to the UCA product, ie. All binaries created by and supplied by HP Ltd; it will not extend to the internationalization of any third party products or libraries used by the product.

The system and resilience value packs are considered part of the UCA product and will be included in the internationalization project. No other value packs will be included for internationalization.

Note: All data input and output will be in the form of Unicode characters using UTF-8 encoding.

Chapter 4

Fixed Problems

This section list the most important problems fixed compared to release V1.1 of the product.

Reference Severity	Component	Description	Status
CR#4006 Medium	Engine	**Custom Action generates unexpected ERROR message in log** ERROR:[main][RemoteHandler] processRequests() - Unrecognised request from NotificationManager web service [1001]	Fixed
CR#5261 High	Engine	**Resynchronisation not performed and output not enabled when killing the collector and the remote handler simultaneously**	Fixed
CR#5371 Medium	Engine	**Rule action 'reset object to normal state' does not work** When there is an object with a state that is either 'degraded' or 'failed', we used the action to reset the object state to normal. But the object state remains unchanged.	Fixed
CR#5520 Low	TCM	**Scenario Manager Split windows sometimes does not work**	Not reproducible and closed.
CR#5705 High	Engine	**The Refresh button of the UCA working memory viewer sometimes does not work**	Not reproducible and closed.

Reference Severity	Component	Description	Status
CR#5778 Medium	Engine	**System Manager status pane not refreshed at shutdown/startup**	Not reproducible and closed.
CR#5785 High	TCM	**Transient objects visible in the Mesh Viewer during resync**	Not reproducible and closed.
CR#5879 High	TCM	**vp-deploy.sh hot-deploy fails if a Valuepack has not been cold-deployed before**	Not reproducible and closed.
CR#5927 High	Setup Scripts	**Changing the configuration from monolithic to resilient using UCA setup requires the Resilience VP to be undeployed/re-deployed**	Fixed
CR#6055 Urgent	TCM	**Callouts not received by the Generic Remote Handler (HP-UX only)**	Not reproducible and closed.
CR#6279 Medium	TCM	**No test case and expected result for fixed bug**	Sidonis provided some description
CR#6366 Medium	GUI	**UCA 1.1 web java apps have a wrong digital signature** All the digital signature shall be correctly set to HP	Fixed
CR#6371 Medium	TCM	**UCA un-deploy the VP, and vp related data still exist in tables mg_valuepacks,mg_metamodel**	Fixed
CR#6378 Medium	GUI	**UCA Mesh Viewer display wrong information after undeploy the VP.** The VP's information still exist in UCA Mesh Viewer after this vp have been undeployed successfully	Fixed
CR#6682 High	Engine	**UCA take hours to startup with 270k objects**	Fixed
CR#6725 Urgent	Engine	**UCA1.1/1.2 license checker should not block the user when the live object count is more than that of the license limited.**	Fixed
CR#6762 Medium	TeMIP Collector	**UCA filter on Specific problems fails**	Fixed

Reference Severity	Component	Description	Status
CR#6792 Medium	TeMIP Collector/ TeMIP Remote Handler	**UCA 1.2 Collector/Remotehandler with TWS axis2 timestamp issues: Exception caught during license check call: First Element must contain.**	Fixed
CR#6830 Medium	TCM	**UCA 1.1 web java apps have a wrong digital signature**	Fixed

Chapter 5

Known Problems

This section lists problems discovered during testing campaign of the product, which have not been fixed in this version.

Reference Severity	Component	Description / Workaround	Status
CR#2080 Medium	Engine	**UCA dataload does not support quote character in CSV file** Invalid dataload when loading from the UCA Admin UI a CSV file containing quote character. The ',' character is added at the beginning and the last quote character is removed. This kind of issue can occur when the Mesh Object unique reference is set to a TeMIP Managed Object. For some TeMIP Managed Object a child instance name can be enclosed in quote (when the instance datatype is a Latin1String).	Will be fixed in a future release.
CR#3728 Low	Engine	**Oracle setup: some errors at first execution of thedatabase setup script.** When executed the first time, the Oracle setup issues some errors because it tries to remove objects (tablespace, tables etc...) when they do not exist. Such errors are only warnings and can be ignored.	The database setup scripts will be re-worked in a future release.
CR#3729 Low	Engine	**Oracle setup: some errors reported by oracle setup scripts when run twice** If executed a second time, the Oracle setup script issues some errors because it tries to re-create objects that already exist (users, roles, sequences etc...). Such errors can be ignored.	The database setup scripts will be re-worked in a future release.
CR#5367 High	Engine	**Valuepack 'cold' deployment does not preserve inventory** Un-deploying a valuepack removes all entities of the classes provided by this valuepack from inventory. When updating a valuepack it is necessary to preserve the inventory, a specific option of the vp-deploy.sh command ('preserve-inventory') is used for that. However this option works only	Valuepack deployment should be enhanced in a future release.

Reference Severity	Component	Description / Workaround	Status
		for hot-undeploy/deploy. **Workaround:** Before updating a value-pack, start UCA and use the hot-undeployment/deployment feature with the preserve-inventory option.	
CR#5470 High	Setup	**UCA setup fails if nslookup does not return the fully qualified hostname** UCA setup requires a fully qualified hostname (including the domain name) for a proper functioning. The UCA setup script uses the 'nslookup' Unix command to return the fully qualified hostname. In the case this command returns an invalid result, the UCA setup will fail. **Workaround:** Verify that the nslookup command returns the fully qualified hostname before running the UCA setup.	UCA setup robustness will be enhanced for next release.
CR#5520 Low	Engine	**Scenario Manager Split windows sometimes does not work** Sometimes we have observed that the scenario part (i.e. left side) of the Scenario Manager is not displayed. There are 2 little black arrows for select the part to be edited in full window (scenario tree or rules set), but when the problem is present, these arrows have no effect. A restart of the Scenario Manager solves the problem.	This problem is under investigation, it will be fixed for the next release.
CR# 6390 Low	Engine	**Scenario manager started on Windows PC on Vista Service Pack 2** Just after loading the deployed scenarios from the server, it's not possible to delete any item on the deployed scenario on the 'default' tab. Although, in the contextual menu, all the other options are available (like export to library), there is no way to find the 'delete from tree' one. Even hitting the delete button on the keyboard has no effect. Restarting the scenario manager solves the problem.	This problem is under investigation, it will be fixed for the next release.
CR# 6391 Low	Engine	**When loading a scenario from a xml local file to the default scenario tab, sometimes, the tree of the scenario (left hand part of the scenario manager) is not loaded** The scenario manager is running on Windows Vista + Service Pack 2 (OS 32 bits).	This problem is under investigation, it will be fixed for the next release.

Reference Severity	Component	Description / Workaround	Status
CR#6803 Medium	TCM	**UCA 1.2/1.1 Scenario Manager>Right list>Type column: clicking the 'Type' header to sort the column doesn't work.**	This problem is under investigation, it will be fixed for the next release.

Chapter 6

Known Limitations

6.1 Not support automatic migration from UCA Topo v1.1.

Automatic migration was not a goal for UCA Topo V1.2. But the UCA Manufacturing release v1.2 is backward compatible on the user value packs and database with the UCA Topo V1.1.

Before installing the UCA Topo V1.2 Manufacturing Release; if you have the UCA Topo V1.1 already installed on your system; be sure to:

- Back up the user value packs under the directory: /opt/uca/valuepacks, it's no need to back up the System/Resilience/TeMIP value packs
- Backup the import csv files data under the directory: /opt/uca/import/
- Backup the 'uca' database
- Uninstall the *UCA Topo V1.1*
- Remove the /opt/uca *directory*
- Remove the /opt/UCA-V11I *directory*
- Remove /var/opt/uca *directory*

6.2 Trouble Ticketing actions:

The UCA Topo V1.2 provides only three actions for creating, closing and canceling Trouble Tickets in Service Manager using the OSS/J interface. Additional TT actions (for instance Associate TT) will be available in a future UCA release.

Chapter 7

Code Signing

This Software Product from HP is digitally signed and accompanied by Gnu Privacy Guard (GnuPG) key.

7.1 On Red Hat Enterprise Linux and HP_UX platform

Below mentioned procedure* allows you to assess the integrity of the delivered Product before installing it, by verifying the signature of the software packages.

Pick the signature (.sig) file shipped along with the product and use following GPG command

type **gpg –-verify <.sig file obtained from HPCSS> <input file>***.

The output should be as shown similar to one given bellow.

---

gpg: Signature made Wed Nov 17 12:32:46 2010 IST using DSA key ID 2689B887

gpg: Good signature from "Hewlett-Packard Company (HP Codesigning Service)"

gpg: WARNING: This key is not certified with a trusted signature!

gpg: There is no indication that the signature belongs to the owner.

Primary key fingerprint: FB41 0E68 CEDF 95D0 6681 1E95 527B C53A 2689 B887

NOTE: message **“Good signature from “Hewlett-Packard Company (HP Codesigning Service)”** “indicates the code sign verification is successful.

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Note: If you are not familiar with signature verification using GPG and intended to verify HP Product signature, follow the steps given below.

1. Check whether gnupg gpg is installed on the system. If no, install gnupg gpg

2. Configure GPG for accepting HP signature. The steps are the following:

a. Log as root on your system

b. Get the hpPublicKey from following location:

https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPLinuxCodeSigning and save it as hpPublicKey.pub

Note that the hpPublicKey file will be located in the root's home directory.

c. Follow the instruction found at above URL in the "Verification using GPG" section.

******HP* **strongly** *recommends using signature verification on its products, but there is no obligation. Customers will have the choice of running this verification or not as per their IT Policies*

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