

HP Systinet

For the Windows and Linux operating systems

Software Version: 10.00

Release Notes

Document Release Date: November 2014

Software Release Date: November 2014



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Documentation Updates

The title page of this document contains the following identifying information:

- Software Version number, which indicates the software version.
- Document Release Date, which changes each time the document is updated.
- Software Release Date, which indicates the release date of this version of the software.
- To check for recent updates or to verify that you are using the most recent edition of a document, go to:

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HP Systinet Release Notes

For the Windows® and Linux operating systems.

Software version: 10.00

Publication date: November 2014

This document is an overview of the changes made to HP Systinet. It contains important information that is not included in books or Help. You can find information about the following in this document:

- "New Features in this Release" on page 77
- "Installation " on page 99
- "Open Defects" 20

Support Matrix

For information about the installation requirements and compatibility with other products, see the HP Systinet. Support Matrix. The support matrix may be updated between releases, and so is only available at the HP Support web site:

<http://support.openview.hp.com/selfsolve/manuals>

The support matrix includes the following information:

- Requirements
 - Hardware
 - Operating System
 - Databases
 - Application Servers
 - Web Servers
 - Web Browsers and Plug-ins
- Compatibility
 - Languages
 - Internationalization Variances
 - Virtualization Products
 - High-Availability Products
 - HP Software Integrations
 - HP Software Coexistence
 - Other Software Coexistence
- Obsolescence Plans

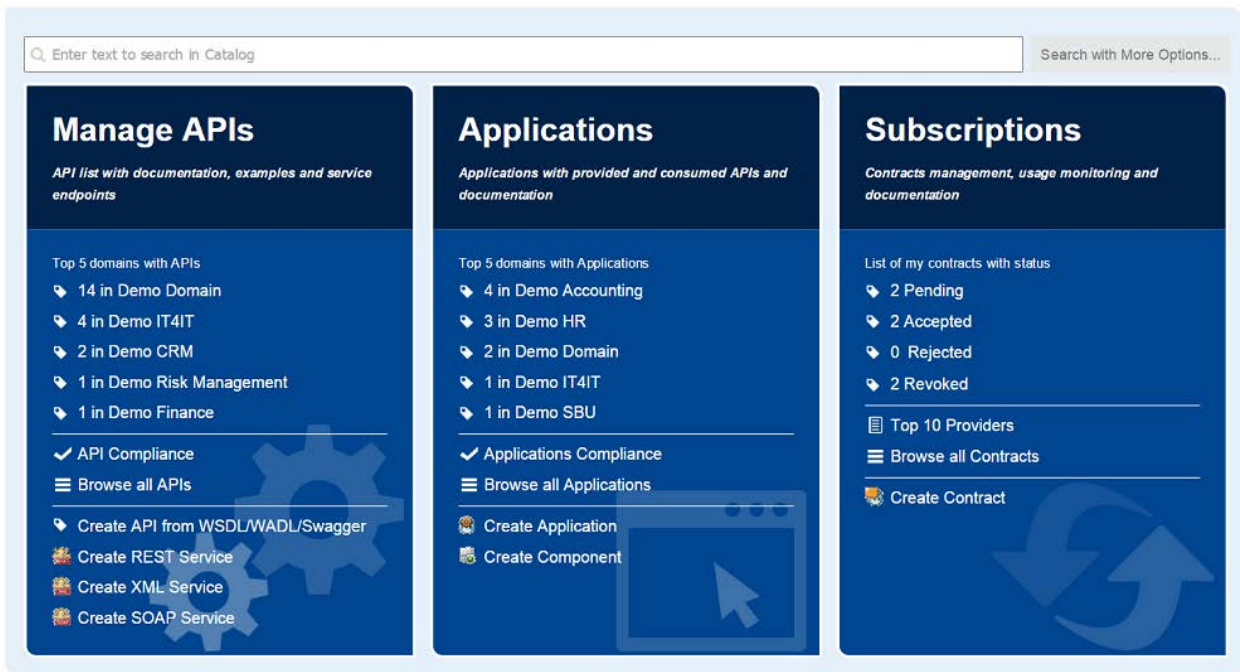
New Features in this Release

HP Systinet 10.00 provides both functional features as well as system improvements.

Functional features are for administrators and common users. Key functional features for common users include:

- **New Homepage**

The New Homepage focuses on more Application Interfaces, Applications and Subscriptions. The top five domains with APIs and Applications will be displayed.



- **API Compliance Policy Report**

A new API Compliance Policy Report is added with top five API artifacts with the worst compliance.

Overview Definition Results

Used to identify application interfaces state

Overall Compliance Top five artifacts with the worst compliance

Artifact	Compliance	Owner	Domain	
ATM Backend Gateway	45 %	Service Providers	Demo Domain	View Report
paymentMethodApproval	69 %	Joe Project Manager	Demo Domain	View Report
customerAssessor	69 %	Joe Project Manager	Demo Domain	View Report
paymentMethodService	74 %	Joe Project Manager	Demo Domain	View Report
GoogleSearchService	78 %	david	Default Domain	View Report

View results for all 26 artifact(s).

- **Applications Compliance Policy Report**

A new Applications Compliance Policy Report is added with top five Application artifacts with the worst compliance.


Overview Definition Results

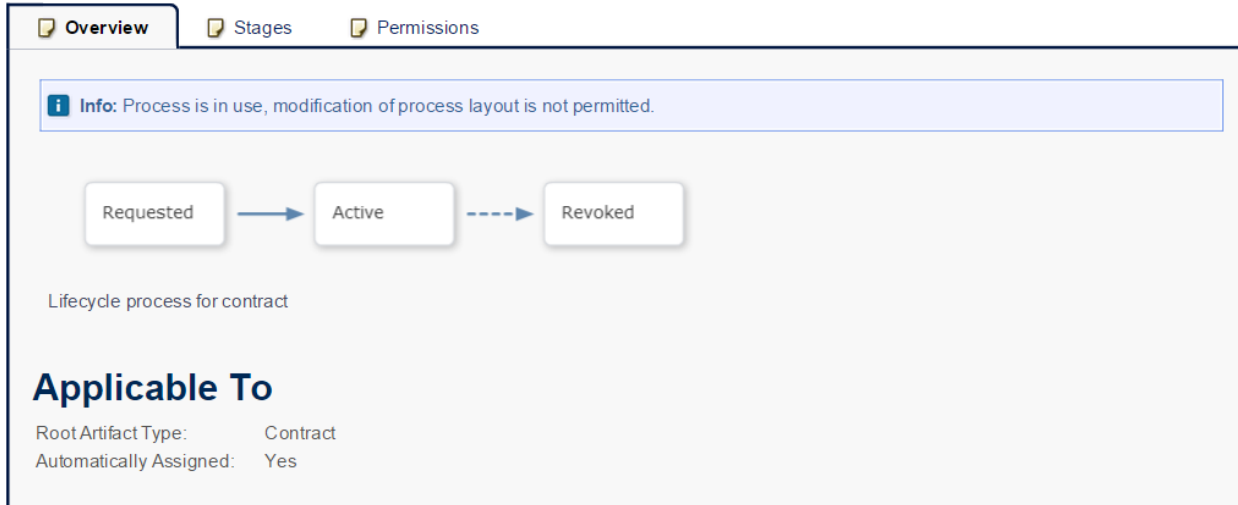
Artifact	Type	Status	Compli...	Prob...	Owner	Domain
Expenses	Application	Non-compliant	0 %	1	Joe Project Manager	Demo Accounting
CRM Next Generation	Application	Non-compliant	0 %	1	Joe Developer	Demo HR
Big Data	Application	Non-compliant	0 %	1	Joe Developer	Demo HR
API Demo Application	Application	Non-compliant	0 %	1	HP Systinet Administrator	Demo Domain
Cost Location	Application	Non-compliant	0 %	1	Patricia Project Manager	Demo Finance
Strategy	Application	Non-compliant	0 %	1	HP Systinet Business An...	Demo SBU
Core Business Structure	Application	Non-compliant	0 %	1	Patricia Architect	Demo IT4IT
Billing Phase II	Application	Non-compliant	0 %	1	Joe Project Manager	Demo Accounting
Attendance	Application	Non-compliant	0 %	1	Joe Project Manager	Demo Accounting
Customer Migration	Application	Non-compliant	0 %	1	Joe Developer	Demo HR
Payouts	Application	Non-compliant	0 %	1	Joe Project Manager	Demo Accounting
Bank Application	Application	Compliant	100 %	0	Service Providers	Demo Domain

- **Contract Governance Improvement**

Contract governance follows the **Default Contract Lifecycle** process. A contract can be created based on a Service Level Offering of the service and then it will be reviewed, discussed, modified and approved through a Service Level Objective.

Default Contract Lifecycle

 Lifecycle Process, Published (In Use)



Overview | Stages | Permissions

Info: Process is in use, modification of process layout is not permitted.

```
graph LR; Requested --> Active; Active -.-> Revoked;
```

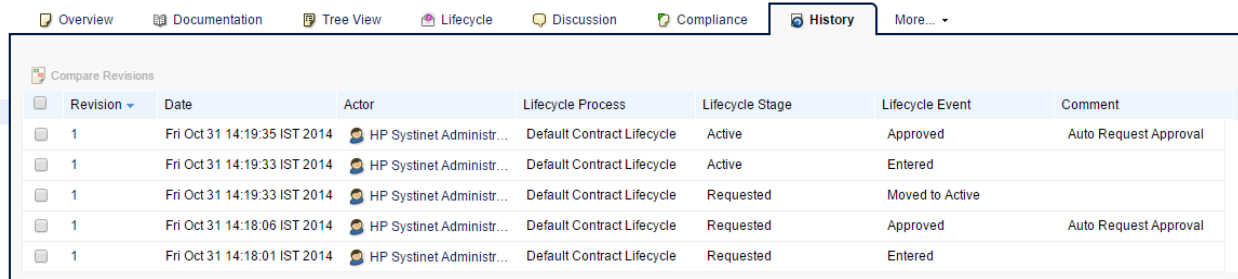
Lifecycle process for contract

Applicable To

Root Artifact Type: Contract
Automatically Assigned: Yes

- **Artifact History view Improvement**

The Artifact History view includes details of lifecycle stage and event.



Revision	Date	Actor	Lifecycle Process	Lifecycle Stage	Lifecycle Event	Comment
1	Fri Oct 31 14:19:35 IST 2014	HP Systinet Administr...	Default Contract Lifecycle	Active	Approved	Auto Request Approval
1	Fri Oct 31 14:19:33 IST 2014	HP Systinet Administr...	Default Contract Lifecycle	Active	Entered	
1	Fri Oct 31 14:19:33 IST 2014	HP Systinet Administr...	Default Contract Lifecycle	Requested	Moved to Active	
1	Fri Oct 31 14:18:06 IST 2014	HP Systinet Administr...	Default Contract Lifecycle	Requested	Approved	Auto Request Approval
1	Fri Oct 31 14:18:01 IST 2014	HP Systinet Administr...	Default Contract Lifecycle	Requested	Entered	

- **API Management - REST interface support**

REST Service and its sub-artifacts are fully defined and modeled in Systinet 10.00. Sub-artifacts are HTTP Endpoint, HTTP Request, HTTP Response, HTTP Header, HTTP Status Code, JSON Definition, Swagger, WADL, and Communication Sample.

HTTP Requests



Resource	HTTP Method	URL Pattern	Description
application.wadl	GET	application.wadl	getWadl
application.wadl	OPTIONS	application.wadl	apply
application.wadl	OPTIONS	application.wadl	apply
application.wadl{path}	GET	application.wadl{path}	geExternalGrammar
application.wadl{path}	OPTIONS	application.wadl{path}	apply
application.wadl{path}	OPTIONS	application.wadl{path}	apply
customer/{id}	GET	customer/{id}	get
customer/{id}	OPTIONS	customer/{id}	apply
customer/{id}	OPTIONS	customer/{id}	apply
customer/{id}	OPTIONS	customer/{id}	apply
customer/{id}	PUT	customer/{id}	put
customer/{id}address	GET	customer/{id}address	getAddress
customer/{id}address	PUT	customer/{id}address	updateAddress
customer/{id}addresssub	GET	customer/{id}addresssub	getDeliveryAddress

- **Import APIs**







WADL or Swagger definition files can be imported to create REST Service(s) and its sub-artifacts.
















Import of 'swagger-json.zip'

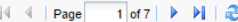
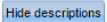

 Report

 **Finished** (started by  david, 2:56:59 PM)
65 artifact(s) created

[Undo Changes](#)

 Edit  Delete  Synchronize Actions  Export  Governance  Save as CSV

	Name	Artifact Type	Ver...	Origin	Result 	Processed At
<input type="checkbox"/>	/pet 	Swagger	1.0	petjson	 OK	Oct 31, 2014 2:57:06 PM
Created Swagger: /pet						
<input type="checkbox"/>	/store 	Swagger	1.0	store.json	 OK	Oct 31, 2014 2:57:06 PM
Created Swagger: /store						
<input type="checkbox"/>	/user 	Swagger	1.0	user.json	 OK	Oct 31, 2014 2:57:07 PM
Created Swagger: /user						
<input type="checkbox"/>	/pet	REST Service	1.0	petjson	 OK	Oct 31, 2014 2:57:07 PM
Created REST Service: /pet						
<input type="checkbox"/>	Deletes a pet	HTTP Request		petjson	 OK	Oct 31, 2014 2:57:07 PM
Created HTTP Request: Deletes a pet						
<input type="checkbox"/>	partial updates to a pet	HTTP Request		petjson	 OK	Oct 31, 2014 2:57:08 PM
Created HTTP Request: partial updates to a pet						
<input type="checkbox"/>	Updates a pet in the store with form data	HTTP Request		petjson	 OK	Oct 31, 2014 2:57:08 PM
Created HTTP Request: Updates a pet in the store with form data						
<input type="checkbox"/>	Find pet by ID	HTTP Request		petjson	 OK	Oct 31, 2014 2:57:09 PM
Created HTTP Request: Find pet by ID						
<input type="checkbox"/>	Add a new pet to the store	HTTP Request		petjson	 OK	Oct 31, 2014 2:57:09 PM
Created HTTP Request: Add a new pet to the store						
<input type="checkbox"/>	Update an existing pet	HTTP Request		petjson	 OK	Oct 31, 2014 2:57:09 PM
Created HTTP Request: Update an existing pet						

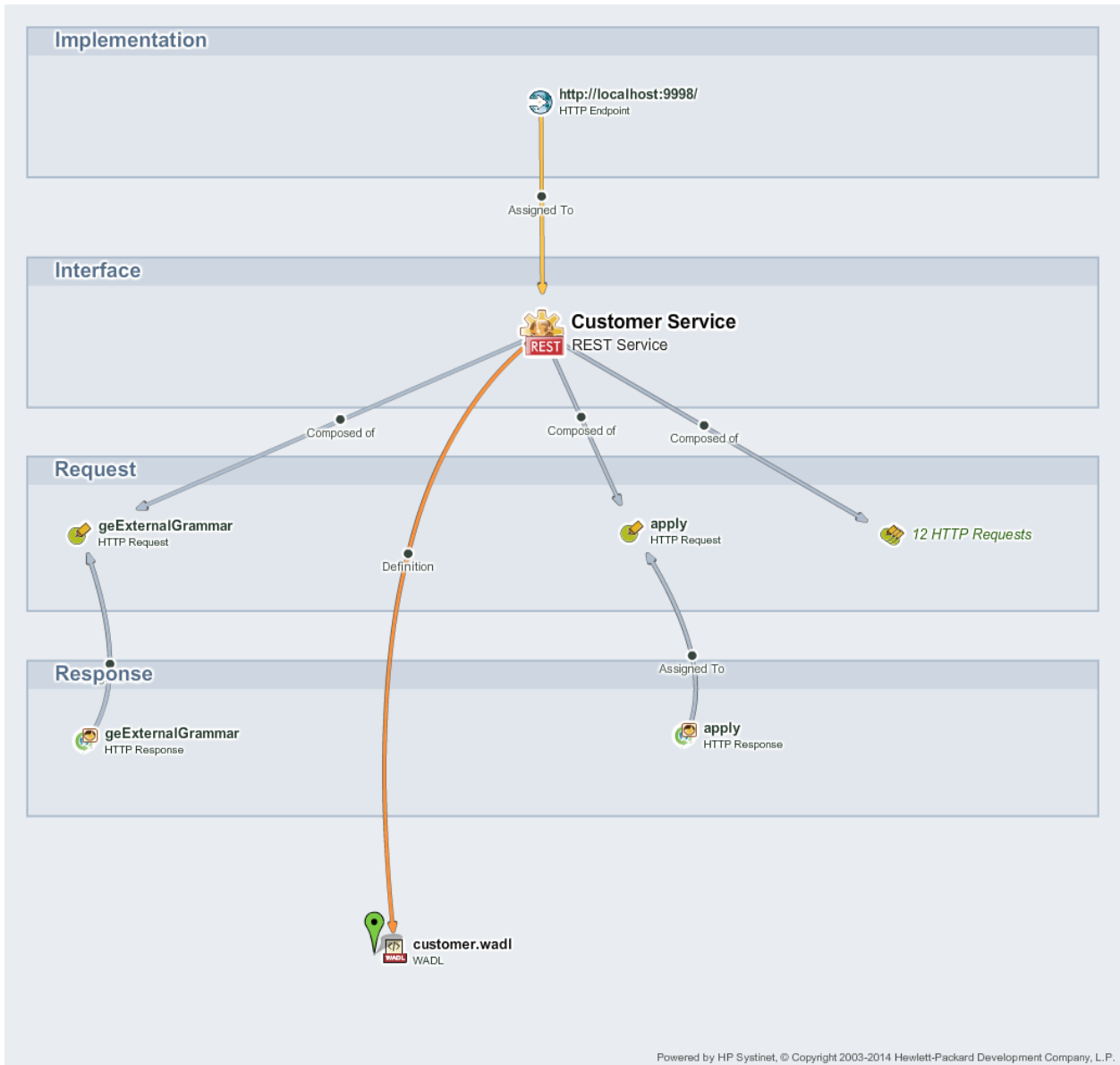
 Page 1 of 7  Hide descriptions  Change Page Size Displaying 1 - 10 of 65

- **Contract Management on API artifacts**

REST Service and its core artifacts are consumable and can be through a lifecycle process.

- **API on Navigator layout and filter**

An API Implementation Layer and Core API Artifact Filter in the **Navigator**.



- **Generic component with read-only and grouping view**

The grouping view is applied for the HTTP Status Code on the **Overview** tab of the HTTP Response.

HTTP Status Codes

Client Error

Name	Code	Description
Invalid username supplied	400	
User not found	404	

Server Error

Name	Code	Description
Not Implemented	501	
Service Unavailable	503	
Internal Server	500	

- **Version remark highlight on REST Service Overview page**

Each version will include a remark to describe the purpose. This information will be highlighted on the **Overview** page of the REST Service.

Versions

Version	Date	Remarks
2.4	October 27, 2014 02:49:47 PM	CST update for 2.0
1.5	October 27, 2014 02:48:55 PM	CST support
2.0	October 27, 2014 02:48:13 PM	phase 2 improvement
1.0	October 21, 2014 05:41:18 PM	Created by swaggerImport.xml

- **Icon of each artifact**

Each artifact can have its own icon. The user can upload a new image or add an existing one in the repository. The image will replace the artifact type icon when the artifact is displayed.

ATM Backend Gateway Service

Overview | Documentation | Details | Tree View | Lifecycle | Discussion | Categories

Common ATM Transaction Processing, includes support for ePayments - real-time transaction processing eMobile - phone bills payments

Version: 1.0
Provider: ACME Banking Services (Change , Clear)
Consumable: Yes
Service Type: Business service
Part of: Bank Application

Implementations

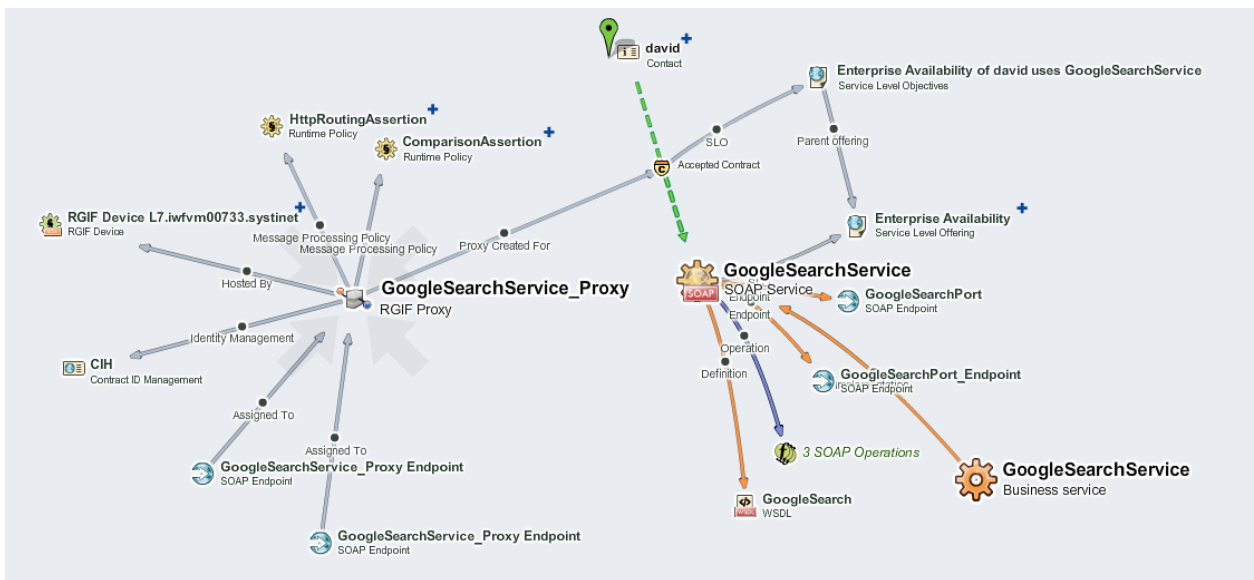
ATM Backend Gateway v 1.0, HTTP
Download WSDL

[Details](#)

Key functional features for HP Systinet Administrator user include:

- **Runtime Gateway Interoperability Framework (RGIF)**

This feature replaces the obsolete iPEP (Integrated Policy Enforcement Point) framework, provides integration with runtime devices through RGIF adapters.



- **RGIF Discovery**

Discover and Synchronize services from RGIF Devices to Systinet Repository with or without WSDL publishing.



Proxy Discovery and Synchronization

Synchronize into Repository

Name	Status	
RGIF Device L7.iwfm00733.systinet	UNSYNCHRONIZED	<input type="checkbox"/>
bipbip	NEW	<input type="checkbox"/>
GoogleSearchService_Proxy	CHANGED	<input type="checkbox"/>
Jira	NEW	<input type="checkbox"/>
SaleOffCar	NEW	<input type="checkbox"/>

Start Discovery

Schedule Discovery Task

Legend:

SYNCHRONIZED
Device/Proxy/Policy has been imported into the repository and it contents are the same as on the device.

UNSYNCHRONIZED
Device contents in repository and on runtime device are not the same.

NEW
Proxy/Policy has been found on device but has not been found in repository.

CHANGED
Proxy/Policy has been imported into the repository but it's contents is different than on the device.

OBSOLETE
Proxy/Policy has been imported into the repository but it can't be found on any device.

- **New Support - Contract Identification**

Contract Identification supports Identity retrieval method for Client IP Address/ Hostname, Client certificate, and Incoming URL.

- **UI Support to edit Runtime Policy Order**

The Runtime Policy order can be changed in the UI of the SLO's Production Environment.

Production Environment Policies

Add
 Delete
 Change Order
 Edit
 Synchronize Actions
 Export
 Governance

<input type="checkbox"/>	Name	Artifact Type	Version	Processing Type
<input type="checkbox"/>	★ accountlimit	RGIF Policy	Not versioned	Post-processing
<input type="checkbox"/>	★ credential	RGIF Policy	Not versioned	Pre-processing

- **Contract Governance Improvement and Customizable**

The Contract Governance is improved with automatic actions like Change Contract Status, Deploy/ Un-deploy Contract, Auto Request/Approval LF Stage, as well as Execute Script for Update SLO Task. The Contract Governance can be customized and extendable following the Lifecycle Process.

Default Contract Lifecycle

Lifecycle Process, Published (In Use)

Overview
Stages
Permissions

Info: Process is in use, modification of process layout is not permitted.

```

graph LR
    Requested[Requested] --> Active[Active]
    Active -.-> Revoked[Revoked]
            
```

Lifecycle process for contract

Applicable To

Root Artifact Type: Contract
Automatically Assigned: Yes

- **Integration with new ALM 12**

HP Systinet upgrades the integration with the HP ALM version 12 although the previous version 11.5 is still supported. Requirement artifact can be imported and synchronized from the ALM 12 server with its Domain and Project.

Requirement Import

Now you can import Requirements from 'hwvm00246' ALM server, with its 'SAIGON' domain and 'systinet' project. Or Back to select another ALM Server

Import

Name	Synchronization Status	
Requirements	NEW	<input type="checkbox"/>
Business Models	NEW	<input type="checkbox"/>
Data Layer	NEW	<input type="checkbox"/>
Controller Function	NEW	<input type="checkbox"/>
UI Layer	NEW	<input type="checkbox"/>
Functional 1	NEW	<input type="checkbox"/>
Group 1	NEW	<input type="checkbox"/>

Legend:

SYNCHRONIZED
Requirement details in repository are the same as in ALM Server.

NEW
Requirement has not been synchronized to repository.

CHANGED
Requirement is synchronized from ALM Server and it is modified in ALM Server and Systinet.

REMOTE CHANGED
Requirement is synchronized from ALM Server and it is modified in ALM Server.

LOCAL CHANGED
Requirement is synchronized from ALM Server and it is modified in Systinet.

- **Navigator Layout and Filter sharing**

An Administrator can share a layout or filter so that users can use it in their **Navigator**.

- **DQL upgrade**

DQL is extended to be able to address the current user and working domain.

- **Reuse Duplicate Resource Resolution**

Duplicate Resource Resolution is stored in a system property so that it can be reused later.

- **Create Blank Artifact Resolution**

Create Blank Artifact Resolution is placed in the system property so that it can be automatically selected later.

- **BIRT is upgrade to 4.2.1**

- **HP Systinet Workbench supports Eclipse 4.2.1 64 Bit**

Workbench is released as a standalone Eclipse 64bit application. Plugin distribution is no longer provided.

Key system features include

- **Embedded JBoss 7.1 and External Application Server JBoss 6.2 EAP Support**

- **MSSQL 2012 SP1, 2014 Support**

- **Oracle 12c Support**

- **Support RGIF Adapter to integrate with Layer 7 version 7 and 8**

- **Support RGIF Adapter to integrate with IBM DataPower version 6.0.1.0**

- **HP Systinet Visual Studio plugin supports Visual Studio 2010, 2012 and 2013**

- **HP Systinet Eclipse plugin supports Eclipse 4.2.1**

- **Performance Improvements**

Optimizing SQL and DQL queries, UI Customization improvement, Cache and Hibernate configuration improvement.

- **Security Improvements**

Fix SSL 3.0 Protocol Vulnerability and POODLE Attack, Fix Cross-Site Scripting Vulnerability, XXE Injection

- **Improved Cross-Browser Compatibility**

Support multi-browser with latest versions of Chrome 38, Firefox 33 and Firefox ESR 31, Internet Explorer 9, 10 and 11.

Installation

Installation Notes

The distribution is a full installer, the file called `hp-systinet-10.00.jar`. For installation instructions refer to the *HP Systinet Installation and Deployment Guide*.

Before installing, review all instructions, the Hewlett-Packard Support Line User Guide, the HP Systinet User Guide, or your Hewlett-Packard support terms and conditions for precautions, scope of license, restrictions, and, limitation of liability and warranties.

Open Defects

The reference number for each defect is the change request (QCCR) number. For more information about open defects, visit [HP Software Support Online](#), or contact your HP Support representative directly.

Systinet Known Issues

Title: After migration of data, collection page has empty rows QCCR1J75398

Description: There are many changes in SDM for Systinet 10.00 which may effect on the UI after doing data migration. Typical cases are when the layout uses removed properties.

Workaround: Follow the steps below which apply to the "Application Interface" collection that still contains removed properties (Transport property was removed from "Application Interface" artifact type in Systinet 10.00)

- Switch to "Customization" mode.
- Go to "Application Interfaces" page.
- Click on "Customize" link on result table.
- Remove content:

```
<column filterable="true" id="r_transport" label="Transport" sortable="true">
```

```
<content queryColumn="b.r_transport.name"/>
```

```
</column>
```

Title: After migration of data, the runtime policies added are not displayed in Staging Environment Policies QCCR1J75736

Description: There are many changes in SDM for Systinet 10.00 which may affect the UI after doing data migration. Typical cases are when the layout doesn't have new properties.

Workaround: Follow the steps below to display the policies after adding:

- Sign in with **admin** account.
- Go to **Administration tab > Configuration > System Settings**
- Filter the **platform.ui.customization.data.provider.uiconfig** property and download to an xml file.
- Edit the downloaded file and add the following elements to the file with the following cautions:
 - New **<artifactType>** elements must be appended to current **<artifactType>** elements, following the order of the original xml file.
 - Element types must be in order: **primaryArtifact > artifactType > taxonomy > artifactType**

```
<primaryArtifact>r_universalProxyArtifact</primaryArtifact>
<primaryArtifact>r_proxyAdapterArtifact</primaryArtifact>
<primaryArtifact>r_universalPolicyArtifact</primaryArtifact>
<primaryArtifact>r_runtimePolicyArtifact</primaryArtifact>
<primaryArtifact>r_runtimePolicyParamArtifact</primaryArtifact>
<primaryArtifact>contractOfferingArtifact</primaryArtifact>
<primaryArtifact>contractObjectivesArtifact</primaryArtifact>
<primaryArtifact>swaggerArtifact</primaryArtifact>
```

```
<primaryArtifact>wadlArtifact</primaryArtifact>
<primaryArtifact>xmlDefinitionArtifact</primaryArtifact>
<primaryArtifact>jsonDefinitionArtifact</primaryArtifact>
<primaryArtifact>dataObjectArtifact</primaryArtifact>
<primaryArtifact>schemaArtifact</primaryArtifact>
<primaryArtifact>httpEndpointArtifact</primaryArtifact>
<primaryArtifact>abstractEndpointArtifact</primaryArtifact>
<primaryArtifact>abstractOperationArtifact</primaryArtifact>
<primaryArtifact>httpRequestArtifact</primaryArtifact>
<primaryArtifact>httpResponseArtifact</primaryArtifact>
<primaryArtifact>hpsoaRequirementArtifact</primaryArtifact>
<primaryArtifact>communicationSampleArtifact</primaryArtifact>
<primaryArtifact>httpHeaderArtifact</primaryArtifact>
<primaryArtifact>httpStatusCodeArtifact</primaryArtifact>
<primaryArtifact>restServiceArtifact</primaryArtifact>

<taxonomy>uddi:systinet.com:soa:model:taxonomies:impactLevel</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:implementationLanguage</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:dataFormat</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:messageExchangePattern</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:protocols</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:securityLevel</taxonomy>
<taxonomy>uddi:hp.com:soa:model:service:type</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:transports</taxonomy>
<taxonomy>uddi:uddi.org:ubr:categorization:iso3166</taxonomy>
<taxonomy>uddi:systinet.com:soa:model:taxonomies:componentType</taxonomy>
<taxonomy>uddi:com.systinet.soa:model:taxonomies:almRequirementStatus</taxonomy>
<taxonomy>uddi:com.systinet.soa:model:taxonomies:requirementPriority</taxonomy>
<taxonomy>uddi:com.systinet.soa:model:taxonomies:requirementReviewed</taxonomy>
<taxonomy>uddi:com.systinet.soa:model:taxonomies:Requirement_Types</taxonomy>
<taxonomy>uddi:localhost:com.systinet.soa:model:taxonomies:Requirement_Priority_Taxonomy</taxonomy>
<taxonomy>uddi:com.systinet.soa:model:taxonomies:requirementDirectCoverStatus</taxonomy>

<artifactType sdmName="r_runtimePolicyArtifact"/>
<artifactType sdmName="r_runtimePolicyParamArtifact"/>
```

- Upload the content to **platform.ui.customization.data.provider.uiconfig**
- Restart the server.

Title: RGIF Error occurs if Layer 7 contains a service without any verb QCCR1J74142

Description: Both contract deployment and discovery fails with the error below when a restful service at Layer 7 has no verb (http method):

```
org.apache.cxf.binding.soap.SoapFault: java.io.IOException: Error writing object
'cvc-complex-type.2.4.b: The content of element 'l7:Verbs' is not complete. One of
'{"http://ns.l7tech.com/2010/04/gateway-management":Verb}' is expected.'
```

This happens on both version 7 and 8.1 of Layer 7

Title: The distribution does not remove existing rating and discussion data for Org Unit artifacts QCCR1J33479

Description: In 4.02: the rating/discussion feature has been removed from Organizational Unit artifact but data created in HP SOA Systinet 4.00 or 4.01 deployments and migrated to 4.10 can still be seen in the result table when the user lists OU artifacts.

Workaround: If the issue applies to your HP Systinet database, follow these steps. Run the following SQL script to remove: all rating votes and rating counts, all discussion threads and messages, all customization settings of Organization Units present in your HP Systinet database.

```
--remove rating data of all Organizational Units
DELETE FROM ry_ratingvotes
WHERE ry_ratingvotes.artifactuuid IN (SELECT uuid FROM ry_resource WHERE
fk_artifacttype='organizationUnitArtifact');

DELETE FROM ry_ratingtotals
WHERE ry_ratingtotals.artifactuuid IN (SELECT uuid FROM ry_resource WHERE
fk_artifacttype='organizationUnitArtifact');

--delete existing configuration of Organizational Units in DB
DELETE FROM systemConfiguration WHERE name
='platform.ui.customization.data.provider.viewArtifact.organizationUnitArtifact';
DELETE FROM systemConfiguration WHERE name
='platform.ui.customization.data.partner.viewArtifact.organizationUnitArtifact';
DELETE FROM systemConfiguration WHERE name
='platform.ui.customization.data.analyst.viewArtifact.organizationUnitArtifact';

--remove discussion data of Organizational Units
DELETE FROM ry_commentmessages
WHERE ry_commentmessages.threadid in (SELECT ry_commentthreads.id FROM
ry_commentthreads JOIN ry_resource ON ry_resource.UUID =
ry_commentthreads.artifactuuid
WHERE ry_resource.fk_artifacttype ='organizationUnitArtifact');

DELETE FROM ry_commentthreads WHERE artifactuuid IN (SELECT uuid FROM ry_resource
WHERE fk_artifacttype='organizationUnitArtifact');
commit;
```

Title: Lifecycle notifications in 4.00 not customizable and configured to send more emails than expected QCCR1J54635

Description: In the product, the default lifecycle notification configuration is hard-coded and not easily customizable. The list of recipients is not hard-coded in the spring configuration file called lifecyclePushNotificationContext.xml. By default, emails are sent not only to artifact owners, but also to Providers. In some cases this configuration may not be acceptable.

Workaround: You can change the settings in the lifecyclePushNotificationContext.xml file. It works although it can be rewritten by upcoming updates. Another workaround is to modify LDAP integration configuration to disable fetching the email of user. User can change the e-mail address and full name within Systinet UI. New users will be warned to setup an e-mail address or full name with the first login to Systinet.

Title: Hibernate may degrade a performance of HP Systinet QCCR1J51772

Description: During 4.01 load tests, we observed ~10-15 minutes periods of intensive full GC activity in JVM. The application server stops responding. We have identified as a root cause memory leakage in hibernation. This bug is reported in

<http://opensource.atlassian.com/projects/hibernate/browse/HHH-5300>

Workaround: Consider adding the JVM option `-XX:SoftRefLRUPolicyMSPerMB=0`

Title: Unable to generate policy report because of PM constraint violation QCCR1J51105

Description: Policy report fails to start and the log shows a lot of "constraint violation" errors.

Workaround: This is expected behavior. In fact, it has no impact on functionality of policy manager. The error disappears and cannot be observed few hours later when user applies same procedure.

Title: WSDL/Schema browser – larger XSD schemas may cause browser instabilities, or degraded performance of HTTP browser. WSDL 2.0 is not viewable.

Title: Loading Categories really takes a while on MS SQL QCCR1J60310

Description: When using HP Systinet, user may cope with some long time page loading. The main reason could come from MS SQL database. This issue doesn't happen on Oracle 11gR1.

Workaround: We can use tools provided by MS SQL Server to detect the query and setup MS SQL Server to increase progress time of this query and solve this problem.

- Use SQL Server Profiler to capture time-consuming queries.
 - Use Database Engine Tuning Advisor to fine-tune the database
-

• **Title:** JBoss Cluster: Scheduled Tasks keep throwing errors in log & machine HDD is overwhelmed completely QCCR1J60495

• **Description:** The issue with overwhelmed HDD could be caused by this defect in JBoss:
<https://community.jboss.org/thread/2451>

Workaround: Add the tags in red color to JBOSS_HOME/server/<node_name>/conf/bootstrap/vfs.xml

```
<property name="permanentRoots">
  <map keyClass="java.net.URL" valueClass="org.jboss.virtual.spi.ExceptionHandler">
    <entry>
      <key>${jboss.lib.url}</key>
      <value><null/></value>
    </entry>
    <entry>
      <key>${jboss.common.lib.url}</key>
      <value><inject bean="VfsNamesExceptionHandler"/></value>
    </entry>
    <entry>
      <key>${jboss.server.lib.url}</key>
      <value><inject bean="VfsNamesExceptionHandler"/></value>
    </entry>
    <entry>
      <key>${jboss.server.home.url}deploy</key>
      <value><inject bean="VfsNamesExceptionHandler"/></value>
    </entry>
  </map>
</property>
```

Systinet Workbench Known Issues

Title: It is not recommended to work with more than three extension projects at the same time as this consumes a lot of system resources and the slows down the application. QCCR1J44130

Title: User cannot see taxonomy items under a taxonomy project after installing Oxygen 10 QCCR1J57802

Workaround: Open the `plugin.xml` file in the Oxygen plugin and search for "org.eclipse.core.runtime.contentTypes" extension with "file-extensions=xml". Change the "priority" setting from "high" to "normal" or "low". Restart Systinet Workbench with the new configuration

Title: If you connect to an HP Systinet through an Apache server using `mod_security`, you may get an error message “Bad Request”, when publishing a taxonomy/assertion.

Workaround: Edit `WB_HOME/start.ini` and insert Java system environment property, - `Dsystinet.rest.client.default.send.content.length=true`, at the end of the file. Restart workbench.

Systinet Eclipse Plug-in Known Issues

Title: You cannot validate very large artifacts (about 80 MB). Eclipse runs out of memory. QCCR1J54436

Title: User cannot view validation errors in editors provided by other Eclipse plugins, for example Oxygen and XMLSpy. QCCR1J40101

Title: User cannot generate service skeletons or service clients directly from the Repository Search Result view if you connect to HP Systinet through Siteminder. QCCR1J58868

Workaround: User must download the artifact from the Server and choose Web Services > Generate Java bean skeleton or Web Services > Generate Client.

Systinet Visual Studio Plug-in Known Issues

Title: You cannot validate very large artifacts (about 80 MB). Eclipse runs out of memory. QCCR1J54436

Title: User has to uninstall the existing HP Systinet Visual Studio plug-in before re-installing the new distribution. QCCR1J60249

Title: HP Systinet Visual Studio plug-in does not support Add Web Reference in Visual C++ projects in Visual Studio 2008 Professional. QCCR1J42112
