SOA Software Platform 7.1 Release Notes

SOA software™

SOA Software Platform 7.1

Release Notes
SOA_Platform_Release_Notes_v71

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SOA Software Platform 7.1 Release Notes

The SOA Software Platform from SOA Software™ delivers security and management for XML and Web services. Web services and Service Oriented Architectures offer a promise of enabling a truly agile enterprise through service reuse and flexible application deployment. The transition to a distributed, loosely coupled application and integration architecture requires a management and security fabric. Without this fabric, many of the advantages of Web services and Service Oriented Architectures are lost.

This Release Notes document provides a summary of the changes that have taken place in the SOA Software Platform 7.1 and other associated utilities and subsystems in this release including:

- New features added to the product.
- Documentation enhancements.

What's New in 7.1?

SOA Software Platform 7.1 Features

The SOA Software Platform 7.1 release includes the following new or updated features:

SOA Software Impersonation Feature

Constrained delegation requires the Network Director to run using Java 1.8. This is not always an option based on deployment restrictions. Therefore constrained delegation has been separated into its own Kerberos Impersonation plug-in called the *SOA Software Impersonation Feature*.

For the use case of creating a ticket with only a username Java 1.8 should be used and the Kerberos Impersonation plug-in should be installed with the Network Director feature.

Documentation for this feature and additional Kerberos use cases can be found on the *SOA Software Documentation Repository* (http://docs.soa.com/ag/assets/kerberos_support_v71.pdf).

Note: This feature is available when the Plug-in filter is selected.

SOA Software External Keystore Feature

Policy Manager provides an *SOA Software External Keystore Feature* that allows you to enable a Hardware Security Module (HSM) security provider as your cryptography solution for storing and managing Policy Manager PKI keys and certificates. After the feature is installed, all key management tasks performed using the Manage PKI Keys Wizard for each identity (service, organization, container, or user) will be stored in the designated external keystore.

Usage information for this feature a can be found on the *SOA Software Documentation Repository* (http://docs.soa.com/ag/key_management/using_external_keystore.htm).

Service Management

Virtual Host Option

A new Virtual Host option has been added to the "HTTP Details" section of the *Specify SOAP 1.1 Details*, *Specify SOAP 1.2 Details*, and *Specify POX Details* screens of the Create Physical Service, Create Virtual Service, Add Access Point, Modify Access Point Wizards , and also the Modify Virtual Service Wizard in the *Containers > Hosted Services* section. The option allows you to specify an additional domain name that is used for accessing the service endpoint.

Containers

Update Container Metadata

The **Update Container Metadata** function for an SOA Cluster and SOA Cluster Node (via the *Containers* tab), have been updated as follows:

- SOA Container Cluster

  Now includes a *Model After Container* option that is available when an SOA Container Cluster is initially defined. It allows you to update container cluster metadata using Network Director's metadata (i.e., host:ndport/metadata).

- SOA Container node in SOA Container Cluster

  Now includes an **Update Cluster Metadata** checkbox that allows you to update the cluster metadata to match the metadata specified for the current node.

Security

Search Users

The Search option has been enhanced in **Manage Role** (*Organization > Security / Sub-Organization Security*), **Manage Organization Identities** (*Organization*), and **Add User Group** / **Manage Users** (*Security > User Groups*) and now allows you to perform a Search by specifying search criteria that includes Attribute (Name or Full Name), Match Type (Exact or Contains), Value (Free form text), and Within (Select a Domain).

Access Control Privilege

A "Certificate" access control privilege has been added to the *Add Role Wizard* that grants Full Control, Read, Add, Modify, and Delete privileges for performing any certificate management activities in Policy Manager.

Policies (New)

- CORS Policy

  The "CORS Policy" (Cross Origin Resource Sharing) enables users to access resources from within the browser serving a web page and defines a way in which the browser and the server can interact to determine whether or not to allow the cross-origin request. This technique is commonly used on the web to load (i.e., share) resources such as CSS style sheets, images, scripts, and other resources in a cross-site manner.

  Documentation for this feature can be found on the *SOA Software Documentation Repository* (http://docs.soa.com/ag/policies/using_the_cors_policy.htm).

- SPNEGO Policy

  The "SPNEGO policy" is an Operational policy that implements the Microsoft authored SPNEGO WS-Policy assertion (see http://msdn.microsoft.com/en-us/library/ee525179.aspx). It states the requirement of supporting the SPNEGO Negotiate authenticate scheme. Not all services and their consumers may support both the NTLM and Kerberos options for SPNEGO. It is only required that both parties support at least one option in common. The subject category of the identity used in the negotiation is End-User and is not configurable.

  Documentation for this feature can be found on the *SOA Software Documentation Repository* (http://docs.soa.com/ag/policies/using_spnego_policy.htm).

- Operational Script Policy

  The "Operational Script Policy" allows you create your own custom policy using custom utility scripts that you can associate with different components of a service's definition (e.g., organizations, services, operations, bindings, and access points). Scripts can be defined using JavaScript, Jython, or BeanShell script languages.

  The Policy Manager Scripting API located in the \sm70\docs\scriptDocs folder of the Policy Manager 7.x Release Folder provides a series of interfaces and classes you can use to build process related scripts. The API includes lots of use cases and sample code you can experiment with and use as a baseline when building your own custom operational policy scripts.

  Documentation for this feature can be found on the *SOA Software Documentation Repository* (http://docs.soa.com/ag/policies/using_op_script_policy.htm).

Policies (Updates)

Concurrency Quota Policy

The "Concurrency Quota Policy" includes the following new functionality:

- **Assign Custom Alert Codes:** An Alert Code drop-down menu has been added to the *Modify Concurrency Quota Policy* screen that allows you to select from a list of custom alert codes you have defined via *Alert Codes > Add Alert Code*. If you have "Send Reminder Alert" selected, alerts will be sent based on the alert interval defined using the selected Alert Code.

Upgrades

- The SOA Software Platform Release supports upgrading from Policy Manager 6.1 to 7.1, and 7.0 to 7.1. Download the Policy Manager Upgrade Technical Note from the SOA Software Customer Support Site (`https://support.soa.com/support`) under PolicyManager> PM71, or from the SOA Software Documentation Repository (docs.soa.com).

  Note: If you have not upgraded to Policy Manager 6.1, and have Policy Manager 6.0 or earlier, you will need to upgrade to Policy Manager 6.1 first, and perform the 6.1 to 7.1 upgrade. Contact SOA Software Customer Support for assistance in assessing your required migration plan.

Documentation

- SOA Software Documentation Repository (docs.soa.com)

  SOA Software offers a new documentation repository website (docs.soa.com). The repository provides a centralized storage solution for SOA Software's Community Manager, API Gateway (Policy Manager, Network Director, Agents), and LifeCycle Manager product offerings. The repository is designed to provide quick access to installation, configuration, concept, and usage documentation through use of the search facility. Documentation is accessible in either PDF format (downloadable), or HTML (view / print).

  A subset of Policy Manager 7.1 documentation is currently available on the site, and we will be continually migrating online help documentation content, existing PDF guide documentation, and Technical Notes that are currently available on the SOA Software Customer Support site to the repository site over the coming months.

- Policy Manager Online Help

  – Product help has been updated to reflect the new Policy Manager 7.1 functionality. Context sensitive help can be launched from any screen in the Management Console via the upper right Help button, Question Mark icon located on portlets, or the Help button in wizards. The help can also be launched in standalone mode by launching "welcome_to_service_manager.htm" in the docs\UsersGuide folder in the Policy Manager Release Directory.

- SOA Software Platform Installation Guide

  – This guide provides instructions for installing and configuring Policy Manager 7.1 for Windows and UNIX platforms. The installation process is implemented via a platform-specific setup file that loads the "SOA Software Platform Installation Wizard." The configuration process is performed using the "Configure Container Instance Wizard" and the "SOA Software Administration Console." Silent installation and configuration instructions are also included. You can download this guide from the SOA Software Customer Support Site (`https://support.soa.com/support`) under PolicyManager> PM71, or from the SOA Software Documentation Repository (docs.soa.com).

- Policy Manager Upgrade Technical Note

  – This technical note provides instructions for upgrading Policy Manager 7.0 to Policy Manager 7.1 and Policy Manager 6.1 to 7.1. You can download this guide from the SOA Software Customer Support Site (`https://support.soa.com/support`) under PolicyManager> PM71, or from the SOA Software Documentation Repository (docs.soa.com).

- Other Documentation

The following product documentation is also available and can be downloaded from the SOA Software Customer Support Site (`https://support.soa.com/support`) under PolicyManager> PM71, or from the SOA Software Documentation Repository (docs.soa.com).

- Policy Manager 7.x Message Handler Programming Guide
- Policy Manager 7.x Delegate for Apache Axis
- Policy Manager 7.x Custom Actions
- SOA Software Policy Manager Data View Description

Distribution and Installation

- SOA Software Platform Manager 7.1 provides a platform-based distribution approach for Windows, and UNIX (Linux, Solaris, and AIX) software versions. Setup files can be directly downloaded from the SOA Software Customer Support Site under PolicyManager > PM71.

Customer Support

SOA Software offers a variety of support services by email and phone. Support options and details are listed below.

Support Option	Details
Email	- support@soa.com - The Support section of the SOA Software website at https://support.soa.com/support provides an option for emailing product-related inquiries to our Support team.
Phone	1-866-SOA-9876 (1-866-762-9876)
Support Site	The Support section of the SOA Software website at https://support.soa.com/support includes many product-related articles and tips that might help answer your questions.
Documentation Updates	We update our product documentation for each version. If you're not sure you have the latest documentation, send an email request to support@soa.com. Specify the product and version you're using.

For more information, visit https://support.soa.com/support/.