ZephyrTel

Service Gateway 5.1.0.0

Release Notes and Installation Instructions

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Introduction

This document describes the changes included in this patch to Service Gateway, along with the patch installation instructions. This patch can only be applied directly to version 5.0 of Service Gateway. Earlier versions must first be upgraded to 5.0.

Enhancements

The following new features and enhancements are included in this patch:

WebLogic 12c Support

Service Gateway now supports WebLogic 12c.

ZenDesk 520883 - Cannot specify TargetFileName in Download RPC

A new column, called TARGET_FILE_NAME, has been added to the SPRT_EC_FILE table. If not null, Service Gateway will use this value to specify the TargetFileName element in the Download RPC to the device. This column must be populated directly using an SQL statement.

ZenDesk 522075 - Wake up an XMPP device in standby mode through a Wake-on-LAN magic packet

Service Gateway can now use a Wake-on-LAN magic packet to wake up an XMPP LAN device that is in standby mode. New preferences have been added to enable this functionality, as well as to specify the UDP port to send the magic packet to on the gateway. The number of packets to send, as well as an additional timeout to wait for the LAN device to wake up, can also be specified through new preferences.

ZenDesk 567840 - Import/Export of Configuration

Service, template, and policy definitions can now be imported and exported using an XML formatted definition file. This capability allows for these configuration items to be defined and tested on a test system, and then imported into a production environment.

ZenDesk 568160 - Aggregate parameter groups across a service

Support has been added to aggregate adjacent parameter set commands across templates within a service. This complements the ability to aggregate within a template, and across the entire configuration.

Issues Addressed

The following issues have been addressed by this patch.

ZenDesk 520872 - SPRT_EC_DEVICE.IP_ADDRESS should contain the remote IP for STUN and XMPP devices

> The REMOTE_ADDR for a STUN or XMPP device will now be stored in the SPRT_EC_DEVICE table.

ZenDesk 520888 - SPRT_SG_XMPP_SESSION table should contain the remote IP of the device

> The REMOTE_ADDR for an XMPP device will now be stored in the SPRT_SG_XMPP_SESSION table.

ZenDesk 520889 - Condition editor does not sort capabilities by name

> The list of capabilities displayed in the Condition Editor is now sorted by name.

ZenDesk 520896 - CleanAgedResults has slow select statement, hitting WebLogic statement timeout

> An unnecessary join has been removed from the SQL statement in question.

ZenDesk 567840 - FWU action waits 15 minutes for TransferComplete, but ignores BOOTSTRAP within that timeframe

> Service Gateway will now process a BOOT or BOOTSTRAP event from a device when it is expecting a TRANSFER COMPLETE.

ZenDesk 669360 - Specify HTTPS in Download command for script files

> The HTTPS protocol can now be specified in the FileServerURL ACS property.

Patch Contents

In addition to this document, the patch includes the following files:

- ears/sprt-050-ServiceGateway5.1.0.0.188-eap7.ear
- ears/sprt-050-ServiceGateway5.1.0.0.188-wl12.ear
- ears/servicegateway-integration.jar
- ears/ACS-server.war
- ears/ACS-api.war
- ears/sprtWeblogicSecurityProviders.jar
- etc/login-config.xml
- sql/OracleDBChangesFrom5.0.0.0_DDL.sql
- sql/OracleDBChangesFrom5.0.0.0_DML.sql

These files will be updated in various locations to address the issues described above.

This patch updates the Service Gateway EAR file. Once this patch is applied to Service Gateway 5.0, the Service Gateway EAR file version will be:

- ServiceGateway5.1.0.0.188

Additionally, the patch also includes the following directories which contain files required by the installer itself:

- bin
- classes
- configuration
- interface
- lib
- scripts

Before Upgrading

Backups

Regular backups of the database and file systems should be performed prior to performing an upgrade.

Installation Instructions

This patch is packaged with a web-based installer to ease the upgrade process. The installer is used in the same way as during a new install.

It is necessary to run the installer on all servers that make up the Service Gateway installation. This is so that the installer can update, at minimum, patch level information on each server.

Prior to upgrading any server, the ACS servers must be shut down and all user interface and EAI activity must cease.

Perform the upgrades to the Application Servers and Database Schema first. When patching a WebLogic clustered environment, the Admin server must be patched before any managed servers are patched. WebLogic servers must be running before the patch process can be started. Ensure that the WebLogic configuration is not locked.

Once the application servers and database schema have been successfully upgraded, proceed with the upgrade of each ACS server. The ACS upgrade will automatically restart the ACS.

The steps to upgrade each server are as follows:

1. Extract the contents of the patch archive to a temporary location.

2. Copy the JDBC driver for the database to the root directory of the extracted patch contents.

3. Enter the "bin" directory and start the run script appropriate to the operating system. run.bat for Windows, and run.sh for Solaris or Linux.

4. Under Windows, the default web browser is automatically launched and directed at http://localhost:8888/. On Solaris or Linux, a web browser must be launched from any computer on the network and directed at the installation site manually. The installer listens for HTTP connections on port 8888 of the server the installer is running on.

5. After accessing the installer web UI, select "Update an existing instance" and click "Next".

6. Once the target instance has been selected and the license agreement has been accepted, the patch prerequisite scripts will run. If they are all successful, clicking "Next" will start the upgrade process.

Troubleshooting and Manual Installation

If the installer fails for any reason, installer.log should be backed up to a safe location so that there is no loss of information needed to diagnose the problem and understand the current state of the application. This file should be sent to Aptean Technical Support for review. Manual patch and rollback instructions are available to Aptean technicians to assist in recovery from a failed upgrade.

Updated Service Gateway Integration JAR

The patch contains a new copy of servicegateway-integration.jar, which is used by all utilities that interface with Service Gateway. Any custom code or integration applications must be updated to use the new integration jar file.

New UI Properties for Translation

New UI properties have been added. These are already present in the EAR file that has been deployed, so no further action is required. However, if any translations have been created for the installation, the new tokens will need to be translated and added to the translated properties files. A list of the new tokens can be found in the NewUIProperties.txt file included with the upgrade package.

Database Changes

A new column, TARGET_FILE_NAME, has been added to the SPRT_EC_FILE table.

A new column, SERVICE_GUID, has been added to the SPRT_SG_TCP_CWMPPARAM_QUEUE table.

A new column, CLIENT_ADDRESS, has been added to the SPRT_EC_FILE table.

Integration Interface Changes

There are no changes to the EAI Web Services in this release.