IBM

IBM WebSphere Partner Gateway V6.2.1 Advanced and Enterprise Editions

Installation and migration

WebSphere software

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This presentation covers the installation of WebSphere® Partner Gateway V6.2.1. It also covers migration of WebSphere Partner Gateway V6.2.1 to WebSphere Application Server V7.0.

Goals

- Installation of WebSphere Partner Gateway V6.2.1

- Optional step - migrate WebSphere Partner Gateway from WebSphere Application Server Network Deployment V6.1 to WebSphere Application Server Network Deployment V7.0

- Optional step – revert migrate WebSphere Partner Gateway from WebSphere Application Server Network Deployment V7.0 to WebSphere Application Server Network Deployment V6.1

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The goal of this presentation is to provide the installation of WebSphere Partner Gateway V6.2.1 and migration of WebSphere Partner Gateway V6.2.1 to WebSphere Application Server Network Deployment V7.0.

Section

Installation of WebSphere Partner Gateway V6.2.1

Installation and migration

This section covers the Installation Overview.

IBM

Setting up the IBM update installer

- WebSphere Partner Gateway 6.2.1 is delivered as .pak file

- Install the .pak file using IBM Update Installer for WebSphere Software

- Refer to the given links for setting up IBM Update installer for WebSphere Partner Gateway

    – Download IBM Update Installer for WebSphere Software

  http://www-01.ibm.com/support/docview.wss?rs=180&uid=swg24020212

    – Download WebSphere Partner Gateway Update Installer version-specific file (<version.zip>)

  http://www-01.ibm.com/support/docview.wss?uid=swg27015150

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Refer to links provided in this slide to download the IBM update installer and WebSphere Partner Gateway version specific file. It also provides the details on setting up the IBM update installer for WebSphere Partner Gateway.

Points to remember (1 of 2)

- In simple mode, ensure that the server is up and running
- In Simple distributed and fully distributed deployments
  – Ensure that the Deployment Manager (DMGR) and all node agents are up and running
  – Stop all WebSphere Partner Gateway clusters in case of simple distributed and fully distributed deployment
- Backup the WebSphere Partner Gateway application database

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This content explains requirements to be met before you install the .pak file.

Points to remember (2 of 2)

- When you install WebSphere Partner Gateway V6.2.1 on an existing cell setup, it is mandatory to perform the steps in the given link

  http://www-01.ibm.com/support/docview.wss?uid=swg21402404

- The WebSphere Partner Gateway V6.2.1 must be installed and uninstalled with "root" user on non-Windows® platforms

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This slide also explains the points to be considered before you install the .pak file.

Prerequisite for installing WebSphere Partner Gateway V6.2.1

- From <bcghub> / ftpserver/bin path, run stopftpmgmtserver.bat (windows)
  or stopftpmgmtserver.sh (as wpguser in non-windows) to stop the ftp
  management server
- From <bcghub> / ftpserver/bin path, run stopsftpmgmtserver.bat (windows)
  or stopsftpmgmtserver.sh (as wpguser in non-windows) to stop the sftp
  management server
- Terminate all Java™ processes that use ftpserver JRE

This content explains requirements to be met before you install the WebSphere Partner Gateway V6.2.1 .pak file.

Installing WebSphere Partner Gateway V6.2.1 (1 of 2)

- To open IBM Update Installer, run update.bat for Windows or run update.sh
  for non-Windows.
  These commands are available in the installed location of IBM Update Installer
- Install the UPDI prerequisite, depending on your fix pack level
- Follow the installation wizard and complete the installation process of the below .pak files
  1. 6.2.0.0-WS-WPG-TFJR38213.pak
  2. 6.2.1-WS-WPG-RP_Enterprise.pak OR 6.2.1-WS-WPG-RP_Advanced.pak

Installation and migration

Use the IBM Update Installer to install the .pak file. The update.bat or update.sh is available in the installed location of IBM update installer.

Installing WebSphere Partner Gateway V6.2.1 (2 of 2)

- For more information about success or failure status of the installation, verify the following log files:

  <DMGR install location>\logs\update\install\updateconfig.log.gz

  <HUB installed location>\logs\update\install\updateconfig.log.gz

- Wherever WebSphere Partner Gateway is installed on an existing cell, DMGR installed location is the location of the existing DMGR profile

Installation and migration

Follow the installation wizard to complete the installation and verify the logs for the successful installation.

Section

Note: This section is optional

Migration of WebSphere Partner Gateway V6.2.1 to WebSphere Application Server Network Deployment V7.0

Installation and migration

The next section explains the steps to be followed while migrating WebSphere Partner Gateway V6.2.1 to WebSphere Application Server Network Deployment V7.0.

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Prerequisite

- The minimum fix pack level of WebSphere Application Server V7.0 Network Deployment is FixPack 13
- Stop the deployment manager server, clusters and node agents on WebSphere Application Server V6.1
- WebSphere Partner Gateway level must be V6.2.1

　　Installation and migration　　

This slide has the prerequisite to be met before you migrate to WebSphere Application Server Network Deployment V7.0.

InstallationAndMigration.ppt

Migration paths

Depending on the WebSphere Partner Gateway installed mode and the usage of the migration utility, following migration paths are available

- using migration wizard to migrate the WebSphere Partner Gateway in simple distributed and fully distributed mode

- using the migration wizard to migrate WebSphere Partner Gateway in simple mode

- using the migration command line utility to migrate WebSphere Partner Gateway in simple mode

- using migration command line utility to migrate the WebSphere Partner Gateway in Simple distributed and fully distributed mode

Note: follow any one migration path depending on the WebSphere Partner Gateway mode of installation.

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Depending on the WebSphere Partner Gateway installed mode and the usage of the migration utility, different migration paths are available.

The detailed steps for each of the migration path is explained in the next slides. Follow any one migration path depending on the WebSphere Partner Gateway installation mode.

Section

Using migration wizard to migrate the WebSphere Partner Gateway in simple distributed and fully distributed mode

Installation and migration

This section explains the detailed steps to migrate WebSphere Partner Gateway using WebSphere Application Server migration wizard

Procedure (1 of 2)

1. Stop all WebSphere Partner Gateway clusters ,servers and node agents

2. Follow the steps in this link to migrate DMGR profile using migration wizard

http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/tmig_wizto70dm.html

Note: In the step nine of this link, use the default option provided

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The first step is to Migrate the WebSphere Partner Gateway Deployment Manager profile. Follow the given link for migrating the Deployment manager profile.

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Procedure (2 of 2)

3. From <WPG_DMGR_HOME>/bin location, run bcgDmgrMigrate.bat for
   Windows and bcgDmgrMigrate.sh for non-Windows.

   For example, run bcgDmgrMigrate.bat <WPG_DMGR_HOME> <WASv7_HOME>
   <WPG_WASv7_PROFILE_HOME> <PROFILE_NAME> <NODENAME>

The next step is to run the bcgDmgrMigrate.bat/sh file with the given parameters.

Example

- **Windows**
  bcgDmgrMigrate.bat "C:\IBM\bcghub-dmgr"
  "C:\IBM\WebSphere\AppServer7" "C:\IBM\WebSphere\AppServer7\profiles" "bcgdmgr"
  "bcgdmgr".

  Non-Windows
  bcgDmgrMigrate.sh <dmgr_home> <wasv7_home>
  <wasv7_profilehome> <profile_name> <node_name> <user>
  <group>.

  Important: This step is required only if the deployment manager is installed using
  WebSphere Partner Gateway installer.

If the deployment manager profile is not created by the WebSphere Partner Gateway
installer, then you can skip the step 3.

Procedure (1 of 5)

4. **Start the deployment manager**

From <WPG_DMGR_HOME>/bin, run bcgStartServer.bat for Windows or bcgStartServer.sh for non-Windows

Alternatively, from the <NEW_DMGR_PROFILE_LOCATION>/bin location,
run startManager.sh for non-Windows and startManager.bat for Windows

Note: Run this command as WebSphere Partner Gateway user for non Windows (For example, bcguser)

Installation and migration

Now, start the deployment manager with the given command.

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Procedure (2 of 5)

5. Run syncNode.bat for Windows and syncNode.sh for non-Windows from <WPG_Hub_HOME>/wasnd/profiles/bcgprofile/bin. The parameters are <DMGR HOST NAME/DMGR-IPADDRESS> and <DMGR SOAP PORT>.

For Windows, run syncNode.bat <DMGR-HOST NAME/DMGR-IPADDRESS> <DMGR SOAP PORT>.

For non-Windows, run syncNode.sh <DMGR-HOST NAME/DMGR-IPADDRESS> <DMGR SOAP PORT>.

Note: Run this command as WebSphere Partner Gateway user for non Windows (For example, bcguser)

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Now, synchronize the WebSphere Partner Gateway V6.2.1 on WebSphere Application Server V6.1 nodes with the migrated Deployment manager profile on WebSphere Application Server V7.0.

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Procedure (3 of 5)

6. Follow this link to migrate the WebSphere Partner Gateway application server profiles

http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/tmig_wizto70mas.html

Note: In the step 14 of this link, use the default option

Installation and migration

The next step is to migrate the WebSphere Partner Gateway application server profiles. Follow the link in the slide to migrate the profile.

Procedure (4 of 5)

7. From <wpg_hub_home>/bin location, run bcgHubMigrate.bat for windows
and bcgHubMigrate.sh for non-Windows.
For Windows, run bcgHubMigrate.bat <wpg_hub_home> <wasv7_home>
<wpg_wasv7_profile_home> <profile_name>.

Windows example:
bcgHubMigrate.bat "C:\IBM\bcghub-distrib"
"C:\IBM\WebSphere\AppServer7" "C:\IBM\WebSphere\AppServer7\profiles" "bcgprofile".

Non-Windows example:
run bcgHubMigrate.sh <wpg_hub_home> <wasv7_home>
<wpg_wasv7_profile_home> <profile_name> <user_name> <user_group>.

bcgHubMigrate.sh /opt/IBM/bcghub-distrib
/opt/IBM/WebSphere/AppServer7 /opt/IBM/WebSphere/AppServer7/profiles
bcgprofile bcguser bcggroup.

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Run the bcgHubMigrate.bat/sh with the parameters shown in the slide.

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Procedure (5 of 5)

8. **Start the node agent**

   From <WPG_HUB_HOME>/bin, run bcgStartServer.bat for Windows and bcgStartServer.sh for non-Windows with "node" as the parameter for the script

   Alternatively, from the <NEW_bcgProfile_Location>/
   bin location, run startNode.sh for non-Windows and startNode.bat for Windows

   Note: Run this command as WebSphere Partner Gateway user for non Windows (For example, bcguser)

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The next step is to start the node agents of the migrated profile.

Once the node agents start, you can start the WebSphere Partner Gateway clusters from the WebSphere Application Server console.

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Section

Using the migration wizard to migrate WebSphere Partner Gateway in simple mode

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This section explains the detailed steps to migrate WebSphere Partner Gateway in simple mode using WebSphere Application Server migration wizard

Procedure (1 of 3)

1. Stop the WebSphere Partner Gateway server

2. Follow the steps in this link to migrate the WebSphere Partner Gateway profile

http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/tmig_wizto70sas.html

Note: In step 10 of this link, use the default option.

Follow the link to migrate the WebSphere Partner Gateway profile. In the step 10 of the given link follow the default option provided by the wizard.

Procedure (2 of 3)

3. From <wpg_hub_home>/bin location, run bcgHubMigrate.bat for windows
   and bcgHubMigrate.sh for non-Windows.
   For Windows, run bcgHubMigrate.bat <wpg_hub_home> <wasv7_home>
   <wpg_wasv7_profile_home> <profile_name>.

Windows example:
bcgHubMigrate.bat "C:\IBM\bcghub-simple"
"C:\IBM\WebSphere\AppServer7" "C:\IBM\WebSphere\AppServer7\profiles" "bcgprofile".

Non-Windows example:
run bcgHubMigrate.sh <wpg_hub_home> <wasv7_home>
<wpg_wasv7_profile_home> <profile_name> <user_name> <user_group>.

bcgHubMigrate.sh /opt/IBM/bcghub-simple
/opt/IBM/WebSphere/AppServer7 /opt/IBM/WebSphere/AppServer7/profiles
bcgprofile bcguser bcggroup.

Installation and migration

Run the bcgHubMigrate.bat/sh with the parameters shown in the slide

Procedure (3 of 3)

4. Start the server - from <WPG_HUB_HOME>/bin, run bcgStartServer.bat for Windows and bcgStartServer.sh for non-Windows. Alternatively, from the <NEW_bcgProfile_Location>/bin location, run startServer.sh for non-Windows and startServer.bat for Windows.

   Note: Run as wpguser in the non-windows platform

Installation and migration

Start the server using bcgStartServer.bat or bcgStartServer.sh depending on the windows or non-windows platform.

Run the script as wpguser on non-windows platform.

Section

Using the migration command line utility to migrate WebSphere Partner Gateway in simple mode

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This section explains the detailed steps to migrate WebSphere Partner Gateway in simple mode using WebSphere Application Server migration

command line utility

Procedure (1 of 3)

1. Stop the WebSphere Partner Gateway server.

2. Follow the below links to migrate the WebSphere Partner Gateway profile

   a. For pre-upgrade process, use this link
   http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/rmig_WASPreUpgrade.html

   b. For post-upgrade process, use this link
   http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/rmig_WASPostUpgrade.html

   Note: Do not use the option "-appInstallDirectory" during post upgrade

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Follow the link in the slide to migrate the profile. Do not use the option "-appInstallDirectory" during post upgrade process.

Procedure (2 of 3)

3. From <wpg_hub_home>/bin location, run bcgHubMigrate.bat for windows
   and bcgHubMigrate.sh for non-Windows.
   For Windows, run bcgHubMigrate.bat <wpg_hub_home> <wasv7_home>
   <wpg_wasv7_profile_home> <profile_name>.

   Windows example:
   bcgHubMigrate.bat "C:\IBM\bcghub-simple"
   "C:\IBM\WebSphere\AppServer7" "C:\IBM\WebSphere\AppServer7\profiles" "bcgprofile".

   Non-Windows example:
   run bcgHubMigrate.sh <wpg_hub_home> <wasv7_home>
   <wpg_wasv7_profile_home> <profile_name> <user_name> <user_group>.

   bcgHubMigrate.sh /opt/IBM/bcghub-simple
   /opt/IBM/WebSphere/AppServer7 /opt/IBM/WebSphere/AppServer7/profiles
   bcgprofile bcguser bcggroup.

Installation and migration

Run the bcgHubMigrate.bat/sh with the parameters shown in the slide

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Procedure (3 of 3)

4. Start the server - from <WPG_HUB_HOME>/bin, run bcgStartServer.bat for Windows and
   bcgStartServer.sh for non-Windows. Alternatively, from the <NEW_bcgProfile_Location>/bin
   location, run startServer.sh for non-Windows and startServer.bat for Windows.

   Note: Run as wpguser in the non-windows platform

Start the server using bcgStartServer.bat or bcgStartServer.sh depending on the windows
or non-windows platform .

Run the script as wpguser on non-windows platform.

Section

Using migration command line utility to migrate the WebSphere Partner Gateway in Simple distributed and fully distributed mode

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This section explains the detailed steps to migrate WebSphere Partner Gateway using WebSphere Application Server command line utility

Procedure (1 of 2)

1 .Stop all WebSphere Partner Gateway clusters, servers and node agents

Note: Use the WebSphere Application Server Version 7.0 Profile Management tool

or the manageprofiles command to create deployment manager profile

2. For pre-upgrade

http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/rmig_WASPreUpgrade.html

For post-upgrade

http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/rmig_WASPostUpgrade.html

Note: Do not use the option "-appInstallDirectory" during post upgrade

Installation and migration

Follow the links in this slide to migrate the deployment manager profile. Do not use the option "-appInstallDirectory" during post upgrade process

Procedure (2 of 2)

3. From <WPG_DMGR_HOME>/bin location, run bcgDmgrMigrate.bat for
   Windows and bcgDmgrMigrate.sh for non-Windows.

   For example, run bcgDmgrMigrate.bat <WPG_DMGR_HOME> <WASv7_HOME>
   <WPG_WASv7_PROFILE_HOME> <PROFILE_NAME> <NODENAME>

Installation and migration

Run the bcgDmgrMigrate.bat/sh with the parameters shown in the slide

Example

- **Windows**
  bcgDmgrMigrate.bat "C:\IBM\bcghub-dmgr"
  "C:\IBM\WebSphere\AppServer7" "C:\IBM\WebSphere\AppServer7\profiles" "bcgdmgr"
  "bcgdmgr".

  Non-Windows
  bcgDmgrMigrate.sh <dmgr_home> <wasv7_home>
  <wasv7_profilehome> <profile_name> <node_name>
  <group>.

  Important: This step is required only if the deployment manager is installed using
  WebSphere Partner Gateway installer.

If the deployment manager profile is not created by the WebSphere Partner Gateway installer, then you can skip the step 3.

Procedure (1 of 5)

4. **Start the deployment manager**

From <WPG_DMGR_HOME>/bin, run bcgStartServer.bat for Windows or bcgStartServer.sh for non-Windows

Alternatively, from the <NEW_DMGR_PROFILE_LOCATION>/bin location,
run startManager.sh for non-Windows and startManager.bat for Windows

Note: Run this command as WebSphere Partner Gateway user for non Windows (For example, bcguser)

Installation and migration

Start the deployment manager with the given command.

Procedure (2 of 5)

5 .Run syncNode.bat for Windows and syncNode.sh for non-Windows from <WPG_Hub_HOME>/wasnd/profiles/bcgprofile/bin. The parameters are <DMGR HOST NAME/DMGR-IPADDRESS> and <DMGR SOAP PORT>.

For Windows, run syncNode.bat <DMGR-HOST NAME/DMGR-IPADDRESS> <DMGR

SOAP PORT>.

For non-Windows, run syncNode.sh <DMGR-HOST NAME/DMGR-IPADDRESS> <DMGR

SOAP PORT>.

Note: Run this command as WebSphere Partner Gateway user for non Windows (For example, bcguser)

Installation and migration

Now, synchronize the WebSphere Partner Gateway V6.2.1 on WebSphere Application Server V6.1 nodes with the migrated Deployment manager profile on WebSphere Application Server V7.0.

Procedure (3 of 5)

6. Follow the link to migrate application server profile using migration command line utility

   Note: Use the WebSphere Application Server Version 7.0 Profile Management tool or the manageprofiles command to create a application server or custom profile

   Do not federate the node

   For pre-upgrade
   http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/rmig_WASPreUpgrade.html

   For post-upgrade
   http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp?topic=/com.ibm.websphere.migration.nd.doc/info/ae/ae/rmig_WASPostUpgrade.html

   Note: Do not use the option "-appInstallDirectory" during post upgrade

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The next step is to migrate the WebSphere Partner Gateway application server profiles. Follow the links in the slide to migrate the profile. Do not use the option "-appInstallDirectory" during post upgrade process.

Procedure (4 of 5)

7. From <wpg_hub_home>/bin location, run bcgHubMigrate.bat for windows
    and bcgHubMigrate.sh for non-Windows.
    For Windows, run bcgHubMigrate.bat <wpg_hub_home> <wasv7_home>
    <wpg_wasv7_profile_home> <profile_name>.

Windows example:
bcgHubMigrate.bat "C:\IBM\bcghub-distrib"
"C:\IBM\WebSphere\AppServer7" "C:\IBM\WebSphere\AppServer7\profiles" "bcgprofile".

Non-Windows example:
run bcgHubMigrate.sh <wpg_hub_home> <wasv7_home>
<wpg_wasv7_profile_home> <profile_name> <user_name> <user_group>.

bcgHubMigrate.sh /opt/IBM/bcghub-distrib
/opt/IBM/WebSphere/AppServer7 /opt/IBM/WebSphere/AppServer7/profiles
bcgprofile bcguser bcggroup.

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Run the bcgHubMigrate.bat or bcgHubMigrate.sh with the parameters shown in the slide
depending on the windows or non-windows platform.

Procedure (5 of 5)

8. Start the node agent

From <WPG_HUB_HOME>/bin, run bcgStartServer.bat for Windows and bcgStartServer.sh for non-Windows with "node" as the parameter for the script

Alternatively, from the <NEW_bcgProfile_Location>/
bin location, run startNode.sh for non-Windows and startNode.bat for Windows

Note: Run this command as WebSphere Partner Gateway user for non Windows (For example, bcguser)

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The next step is to start the node agents of the migrated profile.

Once the node agents start, you can start the WebSphere Partner Gateway clusters from the WebSphere Application Server V7.0 deployment manager console.

Section

Revert migrate WebSphere Partner Gateway from WebSphere Application Server V7.0 to WebSphere Application Server V6.1

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This section explains the detailed steps to revert migrate WebSphere Partner Gateway from WebSphere Application Server V7.0 to WebSphere Application Server V6.1

Revert migration

Follow the below link to revert migrate the WebSphere Partner Gateway profiles from WebSphere Application Server V7.0 to WebSphere Application Server V6.1.

http://www-01.ibm.com/support/docview.wss?uid=swg21462224

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Follow the link in the slide to revert migrate the WebSphere Partner Gateway profiles from WebSphere Application Server V7.0 to WebSphere Application Server V6.1

Section

Summary and references

Installation and migration

This section summarizes this presentation.

Summary

- Installing WebSphere Partner Gateway V6.2.1

- Migrating WebSphere Partner Gateway from WebSphere Application Server V6.1 to WebSphere Application Server V7.0

- Revert migrating WebSphere Partner Gateway from WebSphere Application Server V7.0 to WebSphere Application Server V6.1

The first part of this presentation covered the prerequisites and steps required for installing WebSphere Partner Gateway V6.2.1. The second part of this presentation covered the migration of WebSphere Partner Gateway V6.2.1 and revert migration of WebSphere Partner Gateway V6.2.1

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Installation and migration

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