

# SAP GRC RIG

## Access Control 5.3

### How to Apply Support Packages in AC 5.3

Updated: June, 2009

## ➤ **Step 1: Important Information and Download of Support Packages**

1. Important SAP Notes
2. Download AC5.3 Support Package (JAVA)
3. Download AC5.3 Support Package (RTA)

## ➤ **Step 2: Apply Support Package to AC5.3 Java Application Components**

4. AC 5.3 Java Components to be Patched
5. Deployment of SP Java Components
6. Check New AC5.3 Version
7. SP Java Post-Installation Steps

## ➤ **Step 3: Apply Patches to RTAs in all of your back-end systems**

9. Upload RTA Patches
10. Apply Patch for Non-HR RTA
11. Apply Patch for HR RTA
12. Check Updated Patch Levels in SPAM



- **Always apply the latest support packages for Access Control 5.3**
  
- **There are two types of AC 5.3 Support Packages:**
  - A. For the AC 5.3 Application on NW AS Java 7.00 (cumulative) → SAP Note 1174625
  - B. For the NH (Non-HR) and HR RTAs in the backend (incremental) → Table listed on next slide
  
- **Content of all Support Packages is listed in the following notes:**
  - RAR: 1168120
  - CUP: 1168508
  - ERM: 1168183
  - SPM: 1168121

➤ **Patches for Non-HR and HR Real-Time-Agents (RTA's): Real Time Installation  
VIRSANH and VIRSAHR comprise the RTA component)**

NOTE NUMBER	DESCRIPTION
1138015	VIRSANH 530_46C Support Packages for 46C
1138109	VIRSAHR 530_46C Support Packages for 46C
1138016	VIRSANH 530_620 Support Packages for 620
1138020	VIRSAHR 530_620 Support Packages for 620
1138017	VIRSANH 530_640 Support Packages for 640 (ECC 500)
1138041	VIRSAHR 530_640 Support Packages for 640 (ECC 500)
1138018	VIRSANH 530_700 Support Packages for 700 (ECC 600)
1138042	VIRSAHR 530_700 Support Packages for 700 (ECC 600)
1270574	VIRSANH 530_710 Support Packages for 710
1270574	VIRSAHR 530_710 Support Packages for 710

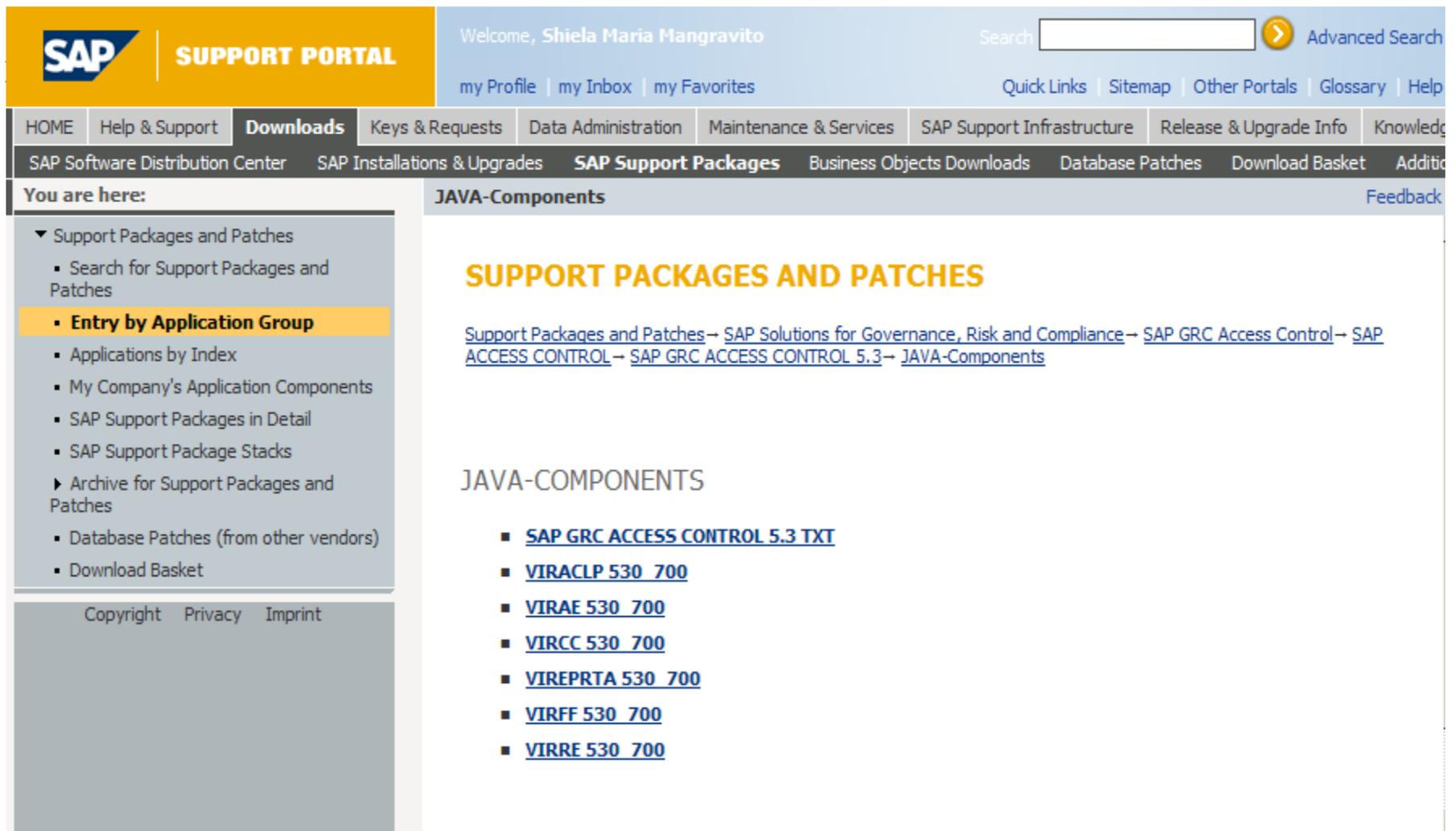
# 2A – Download AC 5.3 Support Packages (JAVA)



➤ Navigate ➡ Support Packages and Patches ➡ Entry by Application Group ➡  
SAP Solutions for GRC ➡ SAP GRC Access Control ➡ SAP ACCESS CONTROL ➡  
SAP GRC ACCESS CONTROL 5.3 ➡ JAVA Components

The screenshot shows the SAP Support Portal interface. The top navigation bar includes the SAP logo and 'SUPPORT PORTAL'. Below it, there are several tabs: HOME, Help & Support, Downloads, Keys & Requests, Data Administration, Maintenance & Services, SAP Support Infrastructure, Release & Upgrade Info, and Knowledge. The 'Downloads' tab is selected. Underneath, there are more specific links: SAP Software Distribution Center, SAP Installations & Upgrades, SAP Support Packages, Business Objects Downloads, Database Patches, Download Basket, and Additional. The 'SAP Support Packages' link is highlighted. On the left side, there is a 'You are here:' breadcrumb trail: Support Packages and Patches > Entry by Application Group. The main content area is titled 'SUPPORT PACKAGES AND PATCHES' and contains a list of links for various SAP components, including SAP Application Components, SAP Industry-specific Components, SAP NetWeaver, SAP Business One, Adapters, SAP Technology Components, Composite Applications, Country-specific Add-Ons and Legal Changes, Supplementary Components for Cross Industry Solutions, SAP Frontend Components, Plug-Ins, SAP Content, Additional Components, SAP Development Projects, SAP Education Products, SAP Solution Extensions by Partners, SAP Solutions for Governance, Risk and Compliance, SAP BusinessObjects packages and products, and FUZZY! PRODUCTS. At the bottom left, there are links for Copyright, Privacy, and Imprint.

## ➤ 7 Files to Download:



The screenshot shows the SAP Support Portal interface. At the top left is the SAP logo and 'SUPPORT PORTAL'. The user is logged in as 'Shiela Maria Mangravito'. A search bar is present with a magnifying glass icon and a right arrow icon labeled 'Advanced Search'. Below the search bar are links for 'my Profile', 'my Inbox', and 'my Favorites'. A navigation bar contains various categories: HOME, Help & Support, Downloads (selected), Keys & Requests, Data Administration, Maintenance & Services, SAP Support Infrastructure, Release & Upgrade Info, and Knowledge. Below this is a secondary navigation bar with: SAP Software Distribution Center, SAP Installations & Upgrades, SAP Support Packages (selected), Business Objects Downloads, Database Patches, Download Basket, and Additio. The main content area is titled 'JAVA-Components' and features a 'Feedback' link. A breadcrumb trail reads: 'Support Packages and Patches → SAP Solutions for Governance, Risk and Compliance → SAP GRC Access Control → SAP ACCESS CONTROL → SAP GRC ACCESS CONTROL 5.3 → JAVA-Components'. The main heading is 'SUPPORT PACKAGES AND PATCHES'. Below it is the breadcrumb trail. The section title 'JAVA-COMPONENTS' is followed by a list of seven support packages:

- [SAP GRC ACCESS CONTROL 5.3 TXT](#)
- [VIRA CLP 530 700](#)
- [VIRAE 530 700](#)
- [VIRCC 530 700](#)
- [VIREPRTA 530 700](#)
- [VIRFF 530 700](#)
- [VIRRE 530 700](#)

On the left side, there is a 'You are here:' section with a tree view:

- ▼ Support Packages and Patches
  - Search for Support Packages and Patches
  - **Entry by Application Group**
  - Applications by Index
  - My Company's Application Components
  - SAP Support Packages in Detail
  - SAP Support Package Stacks
  - ▶ Archive for Support Packages and Patches
  - Database Patches (from other vendors)
  - Download Basket

At the bottom left, there are links for 'Copyright', 'Privacy', and 'Imprint'.

# 2C – Download AC 5.3 Support Packages (JAVA)



## ➤ Example of JAVA Download:

The screenshot shows the SAP Support Portal interface. The top navigation bar includes the SAP logo and 'SUPPORT PORTAL'. Below it, there are tabs for 'HOME', 'Help & Support', 'Downloads', 'Keys & Requests', 'Data Administration', 'Maintenance & Services', 'SAP Support Infrastructure', 'Release & Upgrade Info', and 'Know'. The 'Downloads' tab is active. The main content area displays the title 'SAP GRC ACCESS CONTROL 5.3 TXT -> # OS independent'. Below the title, there is a text block explaining how to download files and a button 'Add to Download Basket'. A table lists the available objects for download, with columns for File Type, Download Object, Title, Patch Level, Info File, File Size [kb], and Last Changed. The first row shows a SAR file named 'VIRACCNTNT01\_0-10006688.SAR' with a file size of 1207 kb and a last changed date of 13.05.2008.

Welcome, Shiela Maria Mangravito

Search  [Advanced Search](#)

[my Profile](#) | [my Inbox](#) | [my Favorites](#)

[Quick Links](#) | [Sitemap](#) | [Other Portals](#) | [Glossary](#) | [Help](#)

[HOME](#) | [Help & Support](#) | **Downloads** | [Keys & Requests](#) | [Data Administration](#) | [Maintenance & Services](#) | [SAP Support Infrastructure](#) | [Release & Upgrade Info](#) | [Know](#)

[SAP Software Distribution Center](#) | [SAP Installations & Upgrades](#) | **SAP Support Packages** | [Business Objects Downloads](#) | [Database Patches](#) | [Download Basket](#) | [Ad](#)

**You are here:** [# OS independent](#) [Feedback](#)

▼ Support Packages and Patches

- Search for Support Packages and Patches
- **Entry by Application Group**
- Applications by Index
- My Company's Application Components
- SAP Support Packages in Detail
- SAP Support Package Stacks
- ▶ Archive for Support Packages and Patches
- Database Patches (from other vendors)
- Download Basket

Copyright | Privacy | Imprint

**Info Page** | **Downloads**

**SAP GRC ACCESS CONTROL 5.3 TXT -> # OS independent**

You can download one or more files by activating the check box on the left and clicking the button "Add to Download Basket". Please [click here for more detailed information](#). Click on to request Side Effects report.

[Add to Download Basket](#) | [Maintain Download Basket](#) | [Select All](#) | [Deselect All](#)

The following objects are available for download:

File Type	Download Object	Title	Patch Level	Info File	File Size [kb]	Last Changed
<input type="checkbox"/>	<a href="#">VIRACCNTNT01_0-10006688.SAR</a>	SP01 for SAP GRC ACCESS CONTROL 5.3 TXT	0	<a href="#">Info</a>	1207	13.05.2008
<input type="checkbox"/>	<a href="#">VIRACCNTNT02_0-</a>	SP02 for SAP GRC				

# 3A – Download AC 5.3 Support Packages (RTA)



**SAP SUPPORT PORTAL**

Welcome, Frank Rambo

my Profile | my Inbox | my Favorites

Search  [Advanced Search](#)

[Quick Links](#) | [Sitemap](#) | [Other Portals](#) | [Glossary](#) | [Help](#)

**HOME** | [Help & Support](#) | [Downloads](#) | [Keys & Requests](#) | [Data Administration](#) | [Maintenance & Services](#) | [SAP Support Infrastructure](#) | [Release & Upgrade Info](#) | [Knowledge Exchange](#)

**You are here:** [SAP GRC ACCESS CONTROL 5.3](#) [Add To Favorites](#) | [Feedback](#)

## Support Packages and Patches

[Support Packages and Patches](#) → [SAP Solutions for Governance, Risk and Compliance](#) → [SAP GRC Access Control](#) → [SAP GRC ACCESS CONTROL](#) → [SAP GRC ACCESS CONTROL 5.3](#)

### SAP GRC ACCESS CONTROL 5.3

- [JAVA-Components](#)
- [RTA on ERP 2005](#)
- [RTA on ERP 2004](#)
- [RTA on R/3 Enterpr. 47x200](#)
- [RTA on R/3 4.6C](#)
- [xPAC for Oracle](#)
- [xPAC for PeopleSoft](#)
- [xPAC for JDE](#)
- [RTA on SAP BASIS 7.00 System](#)
- [RTA on SAP BASIS 6.40 System](#)
- [RTA on SAP R/3 Enterpr. 47x110](#)
- [RTA on SAP BASIS 6.20 System](#)
- [Preconditioned Product Version](#)

**Navigate:**

- Support Packages and Patches
- Entry by Application Group
- SAP Solutions for GRC
- SAP GRC Access Control
- SAP ACCESS CONTROL
- SAP GRC ACCESS CONTROL 5.3
- <Choose your RTA>

➤ Now choose your backend system

➤ Remember that ERP2005, ERP2004, R/3 Enterprise and R/3 4.6C require two Real-Time Agents (RTA): VIRSANH and VIRSAHR. Both need to be patched individually – starting with VIRSANH

# 3B – Download AC 5.3 Support Packages (RTA)

## → Example: RTA on ERP 2005



 **SUPPORT PORTAL**

Welcome, Frank Rambo

my Profile | my Inbox | my Favorites

Search   Advanced Search

Quick Links | Sitemap | Other Portals | Glossary | Help

HOME | Help & Support | Downloads | Keys & Requests | Data Administration | Maintenance & Services | SAP Support Infrastructure | Release & Upgrade Info | Knowledge Exchange

**You are here:** [VIRSANH 530\\_700](#) Feedback

- ▼ SAP Software Distribution Center
  - ▼ Download
    - ▼ Support Packages and Patches
      - Search for Support Packages and Patches
      - Entry by Application Group**
        - Entry by Application Group (new)
        - Applications by Index
        - My Company's Application Components
        - ▶ Archive for Support Packages and Patches
          - SAP Support Packages in Detail
          - SAP Support Package Stacks
          - ▶ Installations and Upgrades
          - ▶ Content
            - Database Patches (from other vendors)
            - SAP Cryptographic Software
            - SAP Connectors
          - Search for all Categories
          - Ordering SAP-Software
          - Download Basket
          - Simulate with S-User

### Support Packages and Patches

[Support Packages and Patches](#) → [SAP Solutions for Governance, Risk and Compliance](#) → [SAP GRC Access Control](#) → [SAP GRC ACCESS CONTROL](#) → [SAP GRC ACCESS CONTROL 5.3](#) → [RTA on ERP 2005](#)

#### RTA on ERP 2005

- [VIRSAHR 530\\_700](#)
- [VIRSANH 530\\_700](#)

**Info Page** | **Downloads**

### VIRSANH 530\_700

 All corrective software packages, for SAP NetWeaver 2004s and SAP Business Suite 2005 and beyond that are delivered after April 2nd, 2007 will ONLY be available via SAP Solution Manager's Maintenance Optimizer. Find more details [here](#).

You can download one or more files by activating the check box on the left and clicking the button "Add to Download Basket". Please [click here for more detailed information](#). Click on  to request Side Effects report.

**The following objects are available for download:**

	File Type	Download Object	Title	Info File	File Size [kb]	Released On
<input type="checkbox"/>	 SAR	<a href="#">SAP-53301INVIRSANH</a>	<a href="#">VIRSANH 530_700: patch 0001</a>	<a href="#">Info</a>	998	06.05.2008

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- The following Java components are patched with Support Packages :
  - Risk Analysis and Remediation (RAR) → VIRCC\_530\_700
  - Compliant User Provisioning (CUP) → VIRAE\_530\_700
  - Enterprise Role Management (ERM) → VIRRE\_530\_700
  - Superuser Privilege Management (SPM) → VIRFF\_530\_700
  - Access Control Launchpad (ACLP) → VIRACLP\_530\_700
  
- The Netweaver Portal Real-Time Agent is also patched with a Support Package:
  - Enterprise Portal Real Time Agent (EPRTA) → VIREPRTA\_530\_700
  - To be applied to the Netweaver AS Java that is hosting the Netweaver Portal
  - The Java Files are .SCA Files which are the archive files of the .SCA Files. The SCA Files have been zipped, again, causing the file to have .SCA.ZIP extension. This file cannot be extracted or unzipped to an installable .SCA format. Please rename these files to .SCA by removing the .ZIP extension

## 5 - Deployment of the Current Version of AC 5.3 → SAP Note 1174625 and SDM



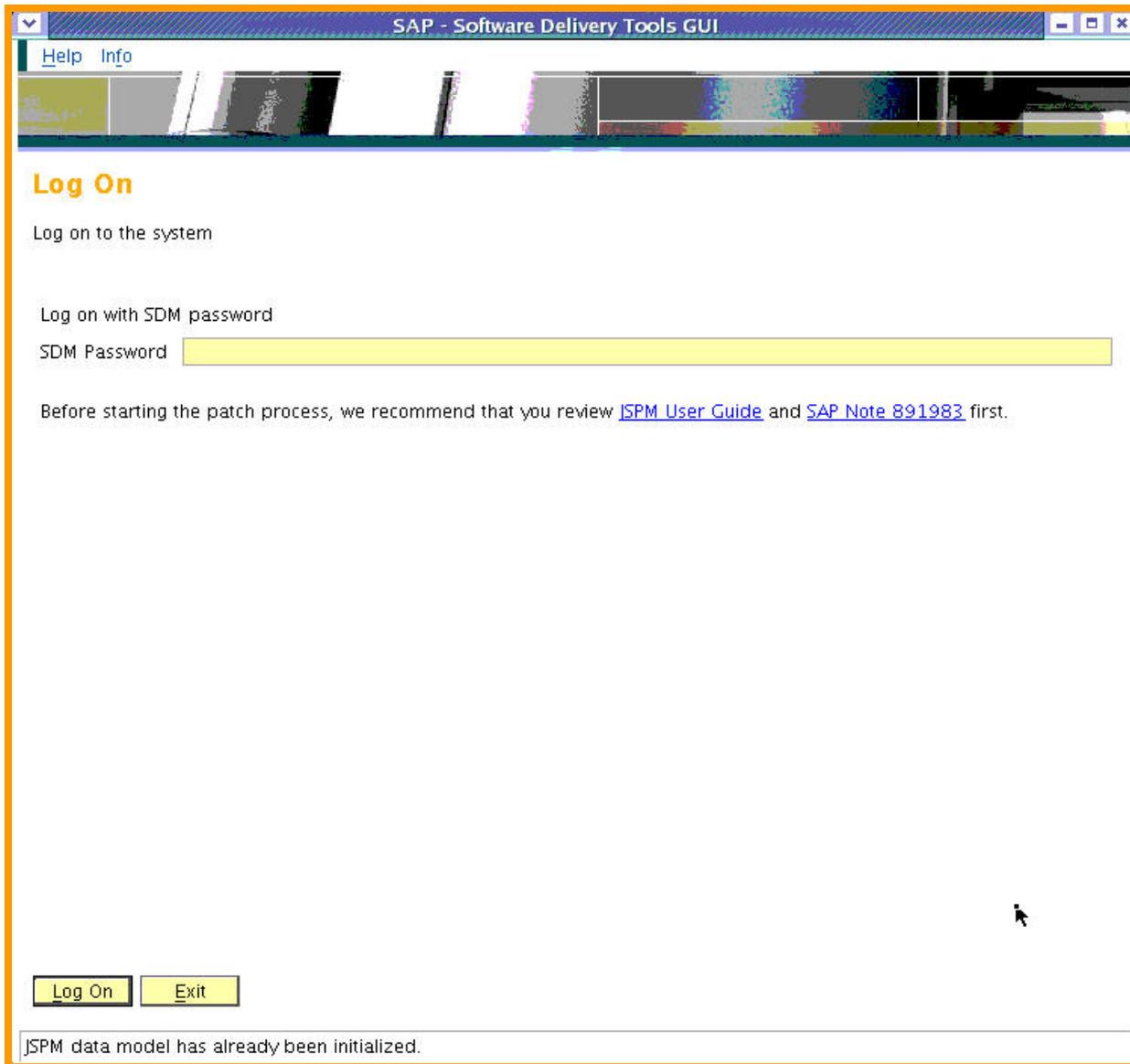
- Please refer to SAP Note 1174625 on how to apply the Support Packages for the AC 5.3 Java Application Components
- Applying Support Packages (or „patching“) to Java Application Components means that a support package contains the entire Java Application Component in its latest version (*Cumulative* Support Packages)
- Log-on with <SID>adm user on the operating system level of your AC 5.3 server and start the SDM (Software Deployment Manager)
- Logon to SDM using the SDM password (which is different than the passwords of the „Administrator“ and <SID>adm users)

## 6A – Deployment of SP Java Components → The Java Support Package Manager



- The deployment of the Java Support Packaged Components is done with the JSPM (Java Support Package Manager)
- On your AC 5.3 server copy the AC 5.3 Support Packaged .SCA Files to the folder `/usr/sap/trans/EPS/in/`
- The JSPM is a tool that works similar to SDM and has to be started from the OS level of the server as user `<SID>ADM` from `/usr/sap/<SID>/<CI>/j2ee/JSPM/go.bat` (Windows) or `.../go` and `.../StartGui` (Unix).
- The .SCA File `sap.com/VIREPRTA` containing the RTA for the Netweaver Portal EP7.0 SP12+ is deployed to all your Netweaver Portal 7.0 servers in scope of your implementation. Don't deploy it onto your AC 5.3 server unless you run a Netweaver portal on the same server, as well.

# 6B – Deployment of SP Java Components → Logon to JSPM with SDM Password



# 6C – Deployment of SP Java Components → Select Package Type



The screenshot shows the SAP - Software Delivery Tools GUI. The window title is "SAP - Software Delivery Tools GUI". The main content area is titled "Welcome > Select Package Type". A progress bar at the top indicates five steps: 1. Select Package Type (highlighted), 2. Specify Queue, 3. Check Queue, 4. Deploy Queue, and 5. Completed. Below the progress bar, the text reads: "Select a package type and an NWDI system role". A paragraph of instructions follows: "To apply a support package stack, we recommend that you select the 'Support Package Stack' indicator. Otherwise you may inconsistently update your system. For more information, see [SP Stack Guide](#) and [SAP Note 884537](#). For recommended Java VM settings, see [SAP Note 723909](#)." Below this, it states: "The Inbox directory is /usr/sap/trans/EPS/in." The section "Select a package type to apply" contains a list of radio buttons: "Support Package Stack", "Java Support Package Manager (JSPM)", "Single Support Packages (advanced use)", "New Software Components" (selected), "Business Packages (advanced use)", and "Install Additional Usage Type (advanced use)". The section "Select whether the system is under NWDI control and the respective NWDI system role" contains a list of radio buttons: "No NWDI control" (selected), "DEV", "CONS", "TEST", and "PROD". At the bottom, there are three buttons: "Back", "Next", and "Cancel". The status bar at the very bottom of the window displays "Select Package Type".

If no AC Components are found under “New Software Components”, please try “Business Packages”

# 6D – Deployment of the SP Java Components → Skip the EPRTA Components



SAP - Software Delivery Tools GUI

Help Info

Deployment | **Deployed Components** | Logs

1 Select Package Type    2 **Specify Queue**    3 Check Queue    4 Deploy Queue    5 Completed

**New Software Components > Specify Queue**

Select new software components to deploy

Select new software components to deploy

Vendor/Name	Target Release.SPLevel.PatchLevel	Details
sap.com/VIRACLP	530.700.1.0	Show Details
sap.com/VIRAE	530.700.1.0	Show Details
sap.com/VIRCC	530.700.1.0	Show Details
sap.com/VIREPRTA	530.700.1.0	Show Details
sap.com/VIRFF	530.700.1.0	Show Details
sap.com/VIRRE	530.700.1.0	Show Details

Select new software components to deploy

Vendor/Name	Target Release.SPLevel.PatchLevel	Details
sap.com/VIRACLP	530.700.1.0	Show Details
sap.com/VIRAE	530.700.1.0	Show Details
sap.com/VIRCC	530.700.1.0	Show Details
sap.com/VIREPRTA	skip	Show Details
sap.com/VIRFF	530.700.1.0	Show Details
sap.com/VIRRE	530.700.1.0	Show Details

Back    **Next**    Cancel

Scan of Inbox has finished.

# 6E – Deployment of the SP Java Components → Check Queue and Confirm



The screenshot shows the SAP Software Delivery Tools GUI. At the top, there is a title bar 'SAP - Software Delivery Tools GUI' and a menu with 'Help' and 'Info'. Below the menu is a navigation bar with 'Deployment', 'Deployed Components', and 'Logs'. A progress bar shows five steps: 1. Select Package Type, 2. Specify Queue, 3. Check Queue (highlighted in orange), 4. Deploy Queue, and 5. Completed. Below the progress bar, the text reads 'New Software Components > Check Queue' and 'Validation of the dependencies of the selected software components'. A note states: 'J2EE Engine will be restarted during deployment if there are Portal applications to be deployed.' Below this, it says 'The following software components will be deployed:' followed by a table. At the bottom of the window, there are three buttons: 'Back', 'Start' (highlighted in orange), and 'Cancel'. A status bar at the very bottom indicates 'Validation of selected components has finished.'

Order	Vendor/Name	Current Release.SPLevel.PatchLevel	Target Release.SPLevel.PatchLevel	Status	Details
1	sap.com/VIRACL		530.700.1.0	OK	Show Detail
2	sap.com/VIRAE	530.700.0.0	530.700.1.0	OK	Show Detail
3	sap.com/VIRCC	530.700.0.0	530.700.1.0	OK	Show Detail
4	sap.com/VIRFF	530.700.0.0	530.700.1.0	OK	Show Detail
5	sap.com/VIRRE	530.700.0.0	530.700.1.0	OK	Show Detail

# 6F – Deployment of SP Java Components → Completed Deployment



The screenshot shows the SAP Software Delivery Tools GUI. At the top, there's a title bar 'SAP - Software Delivery Tools GUI' and a menu with 'Help' and 'Info'. Below that, there are tabs for 'Deployment', 'Deployed Components', and 'Logs'. A progress bar indicates five steps: 1. Select Package Type, 2. Specify Queue, 3. Check Queue, 4. Deploy Queue, and 5. Completed. The 'Completed' step is highlighted in orange. Below the progress bar, the text reads 'New Software Components > Completed'. A message states 'Deployment of software components has finished'. There is a link to an 'Evaluation Form' and a note about its location in the file system. Another message repeats 'Deployment of software components has finished'. A table lists the deployment details for five components, all with a status of 'DEPLOYED'. At the bottom, there are three buttons: 'Back', 'New Deployment', and 'Exit'. A yellow callout box with a black border and text says 'Now: Restart the J2EE Engine!'. At the very bottom, a status bar says 'Deployment has finished.'

SAP - Software Delivery Tools GUI

Help Info

Deployment Deployed Components Logs

1 2 3 4 5  
Select Package Type Specify Queue Check Queue Deploy Queue **Completed**

**New Software Components > Completed**

Deployment of software components has finished

To view some statistics for your patch procedure and to send your feedback to SAP, open the following [Evaluation Form](#). You can find the Evaluation Form in the /usr/sap/AJ1/JC01/j2ee/JSPM/log/log\_2008\_05\_27\_04\_05\_55/jspmResults.html file.

Deployment of software components has finished

Order	Vendor/Name	Old Release.SPLevel.PatchLevel	Current Release.SPLevel.PatchLevel	Status	Details
1	sap.com/VI...		530.700.1.0	DEPLOYED	<a href="#">Show Details</a>
2	sap.com/VIRAE	530.700.0.0	530.700.1.0	DEPLOYED	<a href="#">Show Details</a>
3	sap.com/VIRCC	530.700.0.0	530.700.1.0	DEPLOYED	<a href="#">Show Details</a>
4	sap.com/VIRFF	530.700.0.0	530.700.1.0	DEPLOYED	<a href="#">Show Details</a>
5	sap.com/VIRRE	530.700.0.0	530.700.1.0	DEPLOYED	<a href="#">Show Details</a>

**Now: Restart the J2EE Engine!**

Back New Deployment Exit

Deployment has finished.

# 7 - Check the New AC 5.3 Version



**SAP** **SAP GRC Access Control**  
Risk Analysis and Remediation

Welcome Frank Bannert Help **About** Logout

Informer Rule Architect Mitigation Alert Monitor Configuration Debugger Analysis Daemon

Management View - Risk Violations Summary as of 07-May-2008

**Risk Violations**

Month/Year: 05/2008  
System: All

Analysis: **About**

User Group: **SAP** **SAP GRC Access Control**  
Risk Analysis and Remediation

Violation: **Go**

Version: **AC-RAR 5.3 01.0**

Build ID: 20240408

Technical Support: To report technical issues for SAP GRC Access Control, please create a support message through the SAP Support Portal under the following component (S-User access is required):  
GRC-SCC - Risk Analysis and Remediation (formerly known as Virsa Compliance Calibrator)

Copyright: ©2002-2008 SAP AG. All Rights Reserved.

**OK**

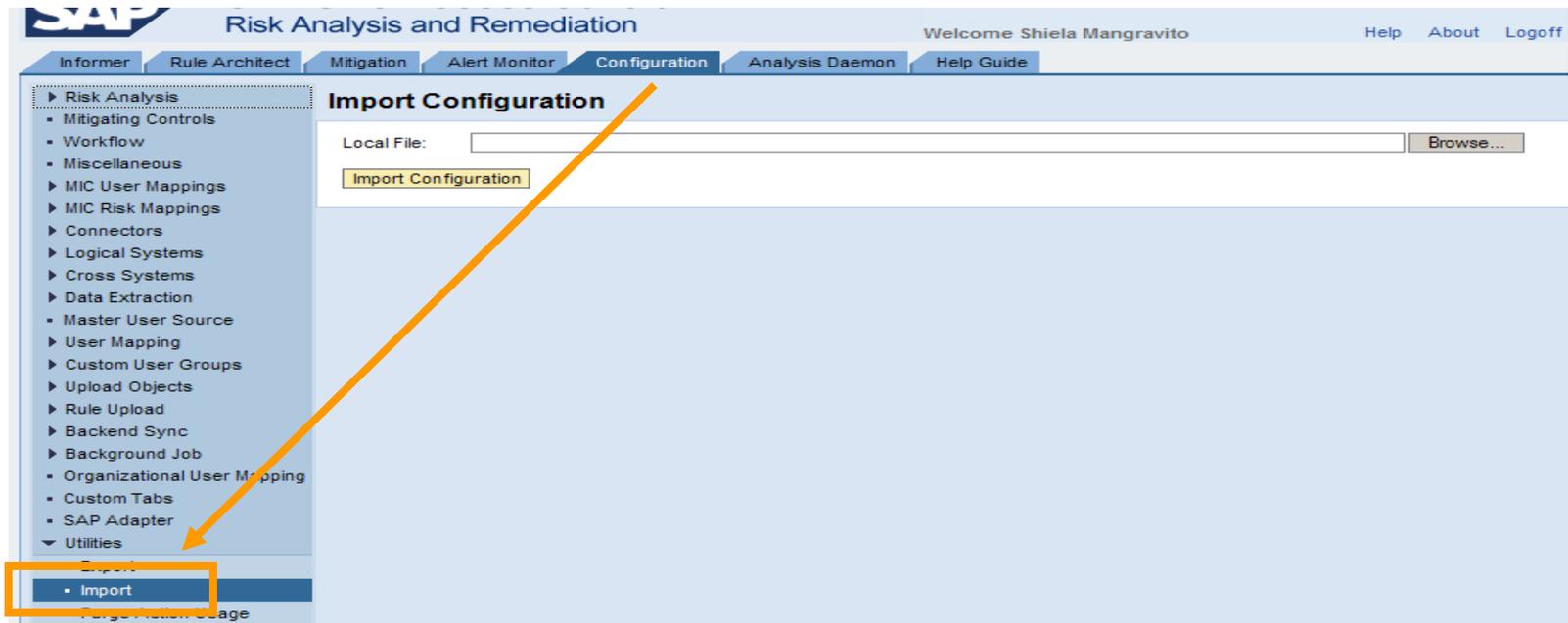
Procure to Pay	135,166	25%
Order to Cash	79,313	15%

BS	80977
FI	82994
HR	40781
MM	79313
PR	
SD	

# 8 – SP Java Post-Installation Steps for RAR

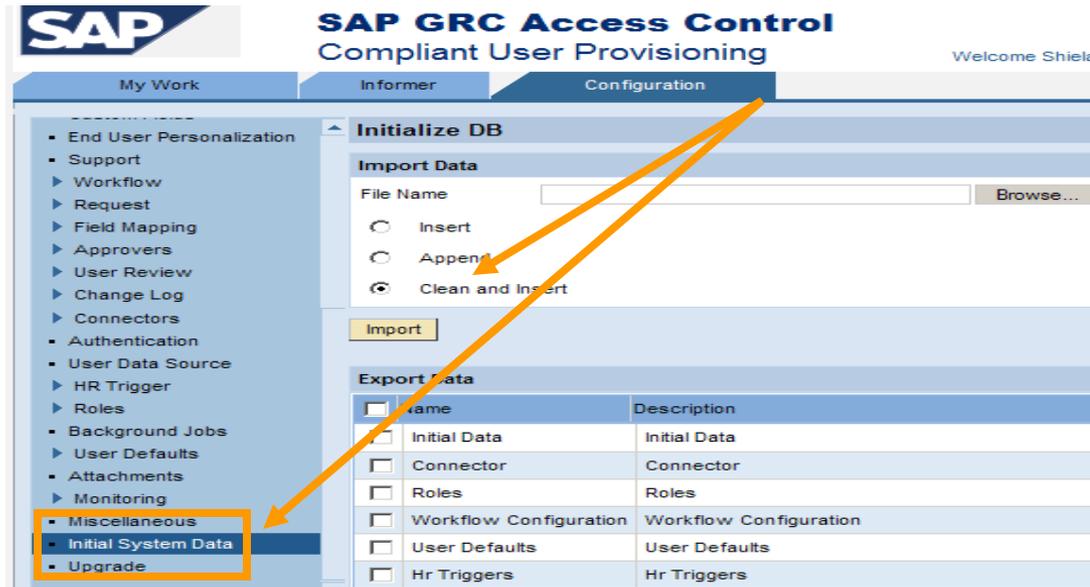


- Upload the initial data files which are packaged with the SP's. For RAR, please check SAP Note **1168120** regarding RAR post-installation steps.
- Importing Error Messages (CC5.3\_MESSAGES.txt):
- You will need to import the error message file as part of post-installation for AC 5.3 SP's:
  - a. Copy the CC5.3\_MESSAGES.txt to the local directory
  - b. Login into **Risk Analysis and Remediation**
  - c. Import them into AC using the option: Configuration -> Utilities -> Import

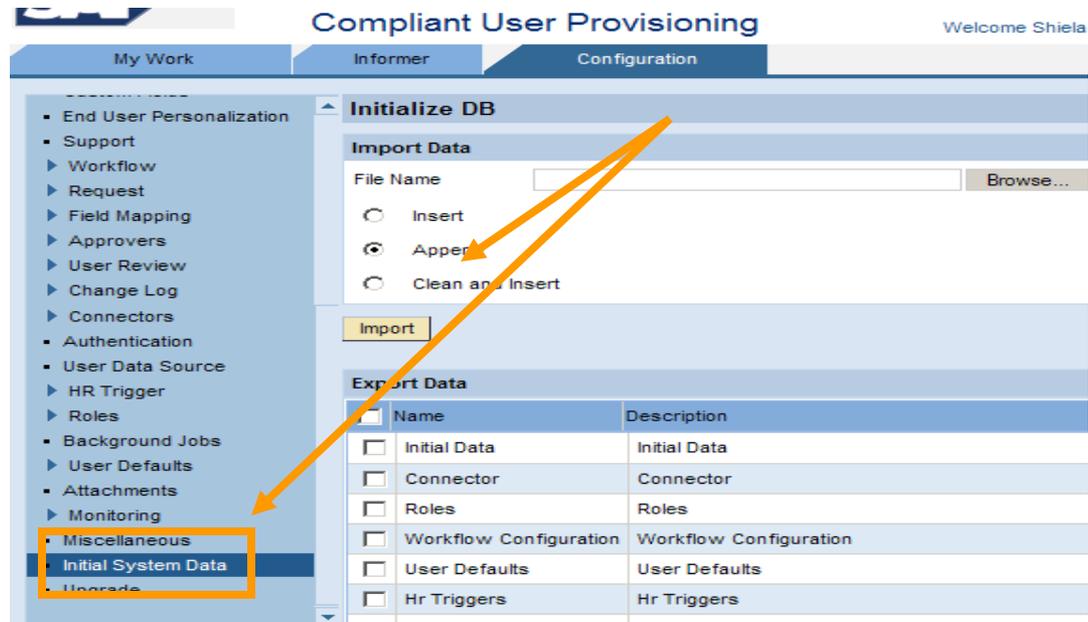




- **1.** Upload the initial data files which are packaged with the SP's. For CUP, please check SAP Note **1168508** for CUP post-installation steps:
  - 1. Copy the *AE\_init\_clean\_and\_insert\_data.xml* to the local directory
  - 2. Login into **Compliance User Provisioning**
  - 3. Go to menu, Configuration -> Initial System Data
  - 4. Select *AE\_init\_clean\_and\_insert\_data.xml* from the location where you copied the file
  - 5. Select the 'Clean And Insert' radio button
  - 6. Click Import



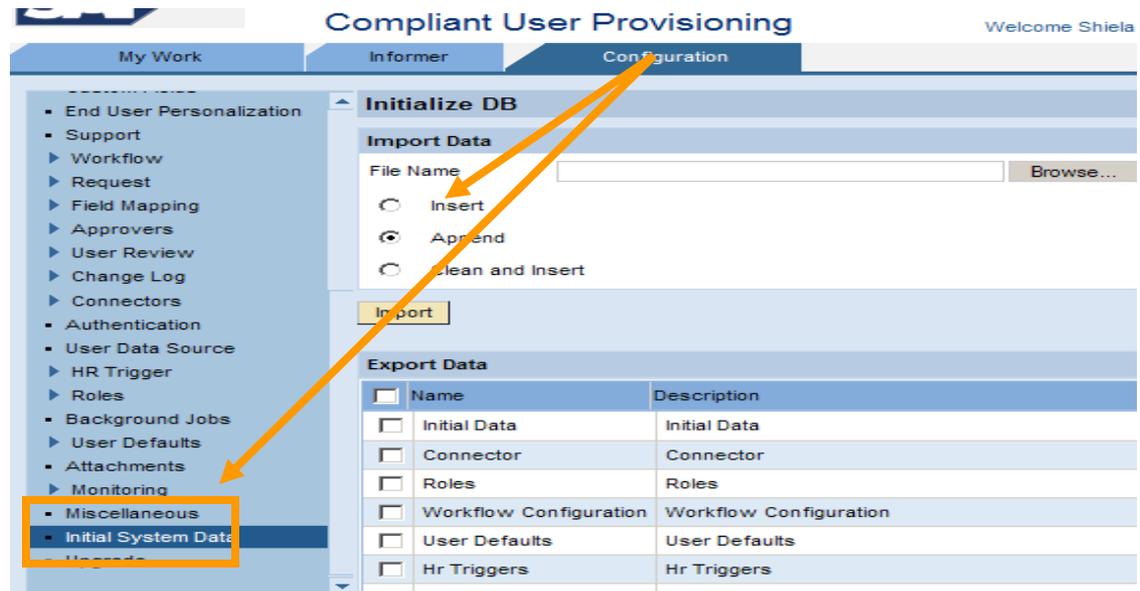
- **2.** Upload the initial data files which are packaged with the SP's. For CUP, please check SAP Note **1168508** for CUP post-installation steps.
  - 1. Copy the AE\_init\_append\_data.xml to the local directory
  - 2. Login into **Compliance User Provisioning**
  - 3. Go to menu, Configuration -> Initial System Data
  - 4. Select AE\_init\_append\_data.xml from the location where you copied the file
  - 5. Select the 'Append' radio button
  - 6. Click Import



The screenshot shows the SAP Compliance User Provisioning (CUP) web interface. The 'Configuration' tab is active, and the 'Initialize DB' section is displayed. The 'Import Data' section has the 'Append' radio button selected. The 'Export Data' section shows a table of data types with checkboxes. The 'Miscellaneous' menu item is highlighted in the left sidebar.

Name	Description
<input type="checkbox"/> Initial Data	Initial Data
<input type="checkbox"/> Connector	Connector
<input type="checkbox"/> Roles	Roles
<input type="checkbox"/> Workflow Configuration	Workflow Configuration
<input type="checkbox"/> User Defaults	User Defaults
<input type="checkbox"/> Hr Triggers	Hr Triggers

- **3.** Upload the initial data files which are packaged with the SP's. For CUP, please check SAP Note **1168508** for CUP post-installation steps.
  - 1. Copy the *AE\_init\_append\_data\_ForSODUARReview.xml* to the local directory
  - 2. Login into **Compliance User Provisioning**
  - 3. Go to menu, Configuration -> Initial System Data
  - 4. Select *AE\_init\_append\_data\_ForSODUARReview.xml* from the location where you copied the file
  - 5. Select the 'Append' radio button
  - 6. Click Import



The screenshot shows the SAP Compliance User Provisioning (CUP) Configuration interface. The left sidebar contains a navigation menu with the following items: End User Personalization, Support, Workflow, Request, Field Mapping, Approvers, User Review, Change Log, Connectors, Authentication, User Data Source, HR Trigger, Roles, Background Jobs, User Defaults, Attachments, Monitoring, Miscellaneous, and Initial System Data. The 'Initial System Data' item is highlighted with a blue bar and a yellow box. The main content area is titled 'Compliant User Provisioning' and 'Initialize DB'. It features an 'Import Data' section with a 'File Name' input field and a 'Browse...' button. Below this are three radio buttons: 'Insert', 'Append' (which is selected), and 'Clean and Insert'. An 'Import' button is located below the radio buttons. The 'Export Data' section contains a table with columns 'Name' and 'Description'. The table lists the following items: Initial Data, Connector, Roles, Workflow Configuration, User Defaults, and Hr Triggers. An orange arrow points from the 'Initial System Data' menu item to the 'Append' radio button.

Name	Description
<input type="checkbox"/> Initial Data	Initial Data
<input type="checkbox"/> Connector	Connector
<input type="checkbox"/> Roles	Roles
<input type="checkbox"/> Workflow Configuration	Workflow Configuration
<input type="checkbox"/> User Defaults	User Defaults
<input type="checkbox"/> Hr Triggers	Hr Triggers

# 9D – SP Java Post-Installation Steps for CUP Required to be Configured Only if CUP Uses RAR

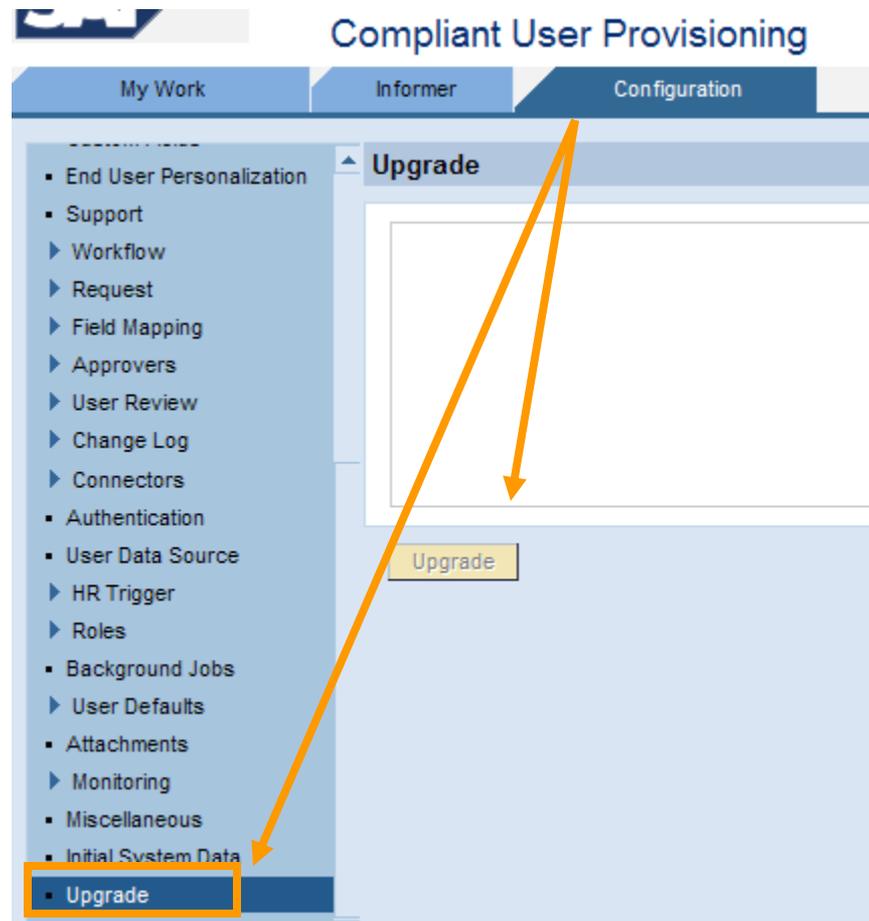


- **4.** Upload the initial data files which are packaged with the SP's. For CUP, please check SAP Note **1168508** for CUP post-installation steps. Please refer to SAP Note **1157209**; in accordance with that note, import the files as follows:
  - a. Copy the *AE\_init\_append\_data\_CC.xml* to the local directory
  - b. Login into **Compliance User Provisioning**
  - c. Go to menu, Configuration -> Initial System Data
  - d. Select *AE\_init\_append\_data\_CC.xml* from the location where you copied the file
  - e. Select the 'Append' radio button
  - f. Click Import

The screenshot shows the SAP GRC Access Control interface. The left sidebar contains a navigation menu with 'Initial System Data' highlighted. The main content area is titled 'SAP GRC Access Control Compliant User Provisioning' and shows the 'Configuration' tab. The 'Initialize DB' section is active, displaying the 'Import Data' form. The 'File Name' field contains 'AE\_init\_append\_data\_CC.xml'. The 'Append' radio button is selected. Below the form is an 'Export Data' table with the following data:

<input type="checkbox"/>	Name	Description
<input type="checkbox"/>	Initial Data	Initial Data
<input type="checkbox"/>	Connector	Connector
<input type="checkbox"/>	Roles	Roles
<input type="checkbox"/>	Workflow Configuration	Workflow Configuration
<input type="checkbox"/>	User Defaults	User Defaults
<input type="checkbox"/>	Hr Triggers	Hr Triggers

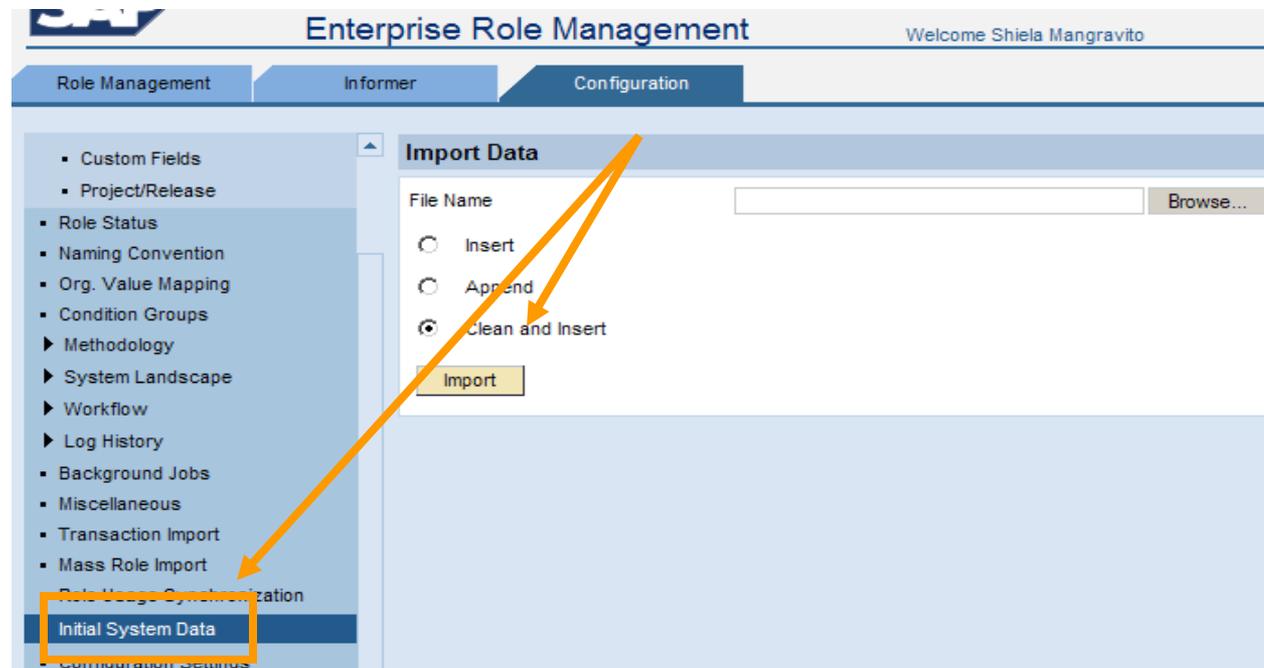
- **5.** Currently, after installing the support pack, please make sure you click on the *Upgrade* button in *Configuration* → *Upgrade* screen to complete the installation. This step can be ignored if the button is disabled.



- **1.** For SPM, please check SAP Note **1168121** for SPM post-installation steps.
  - Currently: None



- **1.** Upload the initial data files which are packaged with the SP's. For ERM, please check SAP Note **1168183** for ERM post-installation steps
  - 1. Copy the *RE\_init\_clean\_insert\_data.xml* to the local directory
  - 2. Login into **Enterprise Role Management**
  - 3. Go to menu, Configuration -> Initial System Data
  - 4. Select *RE\_init\_clean\_insert\_data.xml* from the location where you copied the file
  - 5. Select the 'Clean And Insert' radio button
  - 6. Click Import



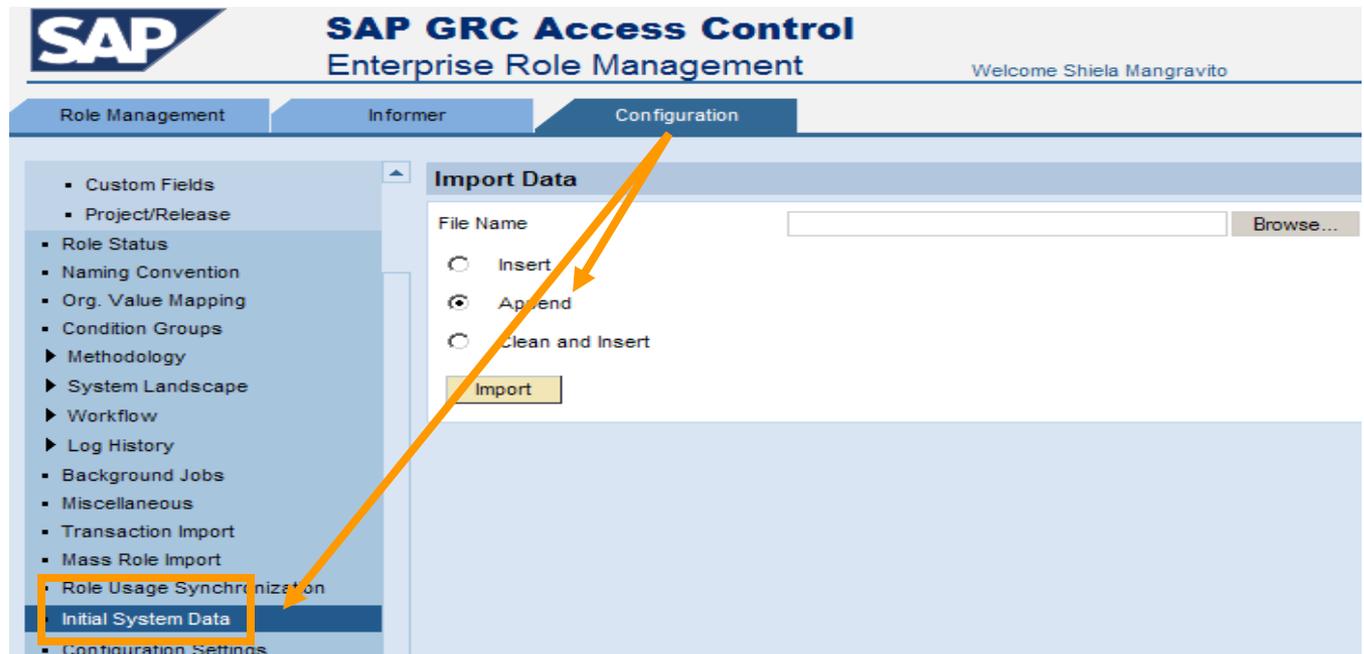


- **2.** Upload the initial data files which are packaged with the SP's. For ERM, please check SAP Note **1168183** for ERM post-installation steps
  - 1. Copy the *RE\_init\_append\_data.xml* to the local directory
  - 2. Login into **Enterprise Role Management**
  - 3. Go to menu, Configuration -> Initial System Data
  - 4. Select *RE\_init\_append\_data.xml* from the location where you copied the file
  - 5. Select the 'Append' radio button
  - 6. Click Import

The screenshot displays the SAP GRC Access Control Enterprise Role Management interface. The top navigation bar includes the SAP logo, the title 'SAP GRC Access Control Enterprise Role Management', and the user name 'Welcome Shiela Mangravito'. The main navigation menu is divided into three sections: 'Role Management', 'Informer', and 'Configuration'. The 'Configuration' section is active, and the 'Initial System Data' menu item is highlighted with a blue box. The 'Import Data' dialog is open, showing a 'File Name' input field with a 'Browse...' button. Below the input field, there are three radio button options: 'Insert', 'Append' (which is selected), and 'Clean and Insert'. An 'Import' button is located at the bottom of the dialog. Two orange arrows point from the 'Append' radio button to the 'Initial System Data' menu item.



- **3.** Upload the initial data files which are packaged with the SP's. For ERM, please check SAP Note **1168183** for ERM post-installation steps
  
- **1.** Copy the *RE\_init\_methodology\_data.xml* to the local directory
  - **2.** Login into **Enterprise Role Management**
  - **3.** Go to menu, Configuration -> Initial System Data
  - **4.** Select *RE\_init\_methodology\_data.xml* from the location where you copied the file
  - **5.** Select the 'Append' radio button
  - **6.** Click Import



# 11D – SP Java Post-Installation Steps for ERM Required to be Configured Only if CUP Uses ERM

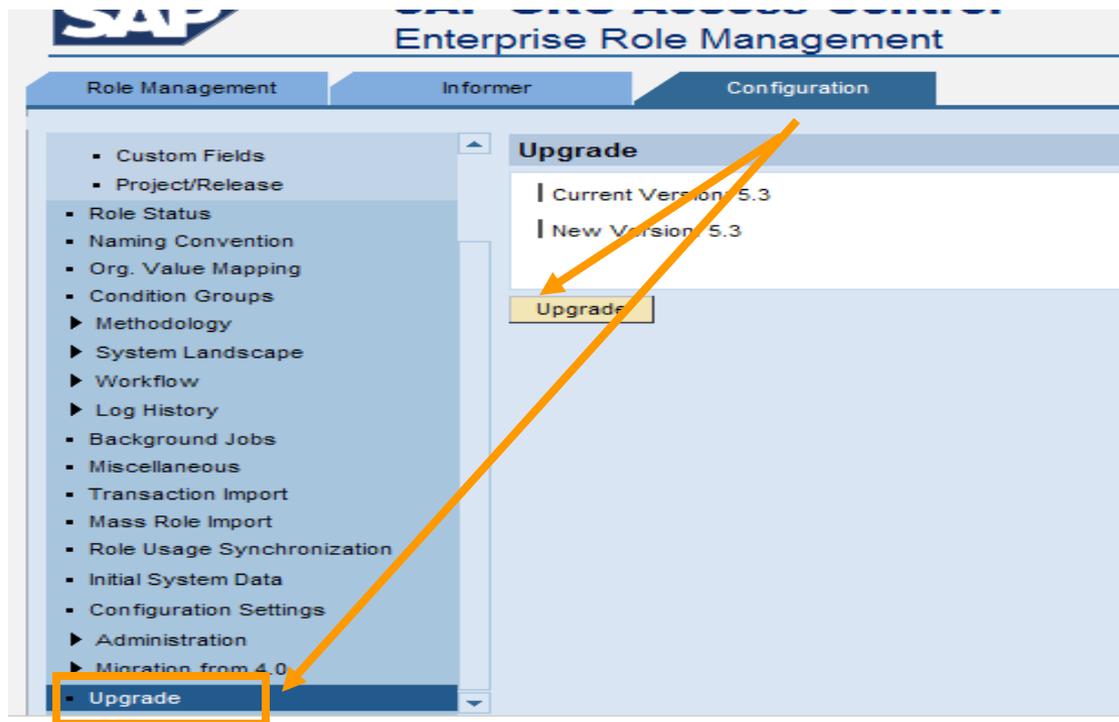


- **4.** Upload the initial data files which are packaged with the SP's. For ERM, please check SAP Note **1168183** for ERM post-installation steps
  
- **1.** Copy the *AE\_init\_append\_data\_RE.xml* to the local directory
  - **2.** Login into **Compliance User Provisioning**
  - **3.** Go to menu, Configuration -> Initial System Data
  - **4.** Select *AE\_init\_append\_data\_RE.xml* from the location where you copied the file
  - **5.** Select the 'Append' radio button
  - **6.** Click Import

The screenshot shows the SAP GRC Access Control interface. The top navigation bar includes 'My Work', 'Informer', and 'Configuration'. The left sidebar contains a tree view of system components, with 'Initial System Data' highlighted. The main content area is titled 'Initialize DB' and contains an 'Import Data' section with a 'File Name' input field and a 'Browse...' button. Below this, there are three radio buttons: 'Insert', 'Append' (which is selected), and 'Clean and Insert'. An 'Import' button is located below the radio buttons. At the bottom, there is an 'Export Data' section with a table listing various data types for export.

Name	Description
<input type="checkbox"/> Initial Data	Initial Data
<input type="checkbox"/> Connector	Connector
<input type="checkbox"/> Roles	Roles
<input type="checkbox"/> Workflow Configuration	Workflow Configuration
<input type="checkbox"/> User Defaults	User Defaults
<input type="checkbox"/> Hr Triggers	Hr Triggers

- **5.** Currently, after installing the support pack, please make sure you click on the *Upgrade* button in *Configuration* → *Upgrade* screen to complete the installation. This step can be ignored if the button is disabled.



- **1.** For Enterprise Portal RTA, please check SAP Note **1168710** for Enterprise Portal RTA post-installation steps.
  - Currently: None

**1.** For AC 5.3 Launch Pad, please check SAP Note **1168691** for AC 5.3 Launch Pad post-installation steps.

➤ Currently: None

# 14 – Upload RTA Patches → Transaction SAINT



- On your backend system copy patch files for Non-HR (and HR, if necessary) RTA downloaded from SMP into the directory `/usr/sap/trans/EPS/in`
- In client 000, start Transaction SAINT, click on „Load“ and „Confirm“

**Add-On Installation Tool - Version 7.00/0026**

Add-On Installation Tool: PCS package selection

Installable PCS packages in the System

PCS	Release	Description	Package type
No Installation Packages are available			

SAINT: Confirm upload

The EPS inbox is located under the following path: `/usr/sap/trans/EPS/in`

Do you want to upload OCS Packages from the EPS inbox?

Status/Remarks

Select a package from the installable PCS packages

- Choose [CONTINUE] to start the calculation of the installation queue
- Choose [BACK] to go back to the overview of the installed Add-ons
- Choose [LOAD] to load additional packages from the application server

Back Continue **Load** Screen 1 / 4 Cancel

**SAINT: Uploading Packages from the File System**

OCS File Name	Package	Result	RC	Message Text
CSN0120061532_0030637.PAT	SAPK-53301INVIRSANH	○○	0000	Uploaded successfully
CSN0120061532_0030641.PAT	SAPK-53301INVIRSAHR	○○	0000	Uploaded successfully

# 15A – Apply Patch for Non-HR RTA

## → Transaction SPAM: Define Queue



- Logon to Client 000
- Start Transaction SPAM, select the VIRSANH\_530\_700 Patch and click on „Queue“

OCS Package Directory: New Packages

Queue Package Attributes Link Legend

OCS packages available for this system	Description	Stat...	Import Status
▼ VIRSAHR	SAP GRC Access Controls 5.3 for 700 HR S		
▶ SAPK-53301INVIRSAHR	VIRSAHR 530_700: patch 0001	○△○	Not imported
▼ VIRSANH	SAP GRC Access Controls 5.3 for 700 HR a		
▶ SAPK-53301INVIRSANH	VIRSANH 530_700: patch 0001	○△○	Not imported

OCS Package Directory: New Packages

Queue Package Attributes Link Legend

OCS packages available for this system	Description	Stat...	Import Status
▼ VIRSAHR	SAP GRC Access Controls 5.3 for 700 HR S		
▶ SAPK-53301INVIRSAHR	VIRSAHR 530_700: patch 0001	○△○	Not imported
▼ VIRSANH	SAP GRC Access Controls 5.3 for 700 HR a		
▶ SAPK-53301INVIRSANH	VIRSANH 530_700: patch 0001	○△○	Not imported
▼ Prerequisite set 01			
▶ VIRSANH,530_700		✓	

Define Queue for the Add-On VIRSANH rel. 530\_700

Choose the highest Support Package you want or confirm

Package ID	Component	Release	Short Description
SAPK-53301IN...	VIRSANH	530_700	VIRSANH 530_700:

Display Queue for the Add-On VIRSANH rel. 530\_700

Package ID	Component	Release	Short Description
SAPK-53301IN...	VIRSANH	530_700	VIRSANH 530_700: patch 0001

# 15B – Apply Patch for Non-HR RTA

## → SPAM: Import 1 (ABAP Dictionary Objects)



- *Confirm* to start the import of ABAP Dictionary Objects
- If you modified Objects you have to run in Transaction SPDD a „Modification Adjustment“. Each customer has to decide if the modifications are still needed
- If you just *Confirm Adjustment*, all Objects will be recovered back to SAP Standard

The screenshot displays the SAP Support Package Manager (SPAM) interface. The main window is titled "Support Package Manager - Version 7.00/0026". The queue ID is "SAPK-53301". The "SPAM: Import Queue" window shows the following text:

The queue SAPK-53301INVIRSANH will now be imported according to scenario Standard.

To avoid known problems, first read SAP Note 822379 "Known problems with Support Packages in SAP NW 2004s AS ABAP".

The queue will now be imported with the following start options for the individual modules:

Preparation:	Start in dialog
Import 1:	Continue in dialog
Import 2:	Continue in dialog
Clean Up:	Continue in dialog

The "Information on Modified Objects" dialog box is open, showing the following text:

Phase RUN\_SPDD\_?: Information on Objects Modified in System

The ABAP Dictionary objects were imported completely. This means that all imported ABAP Dictionary objects are now available in your system in the shipped original state.

The system detected however that 6 of the ABAP Dictionary objects in the Support Packages have been modified in your system.

Check whether you want to retain or restore the changes you have made. To do this, call transaction SPDD (choose 'Call SPDD').

For more information about performing the modification adjustment, see 'Modification Adjustment Help'.

Note:  
If you do not perform a modification adjustment, all the changes to the objects named in transaction SPDD are lost after Dictionary activation. If you have modified tables, this may lead to data being lost.

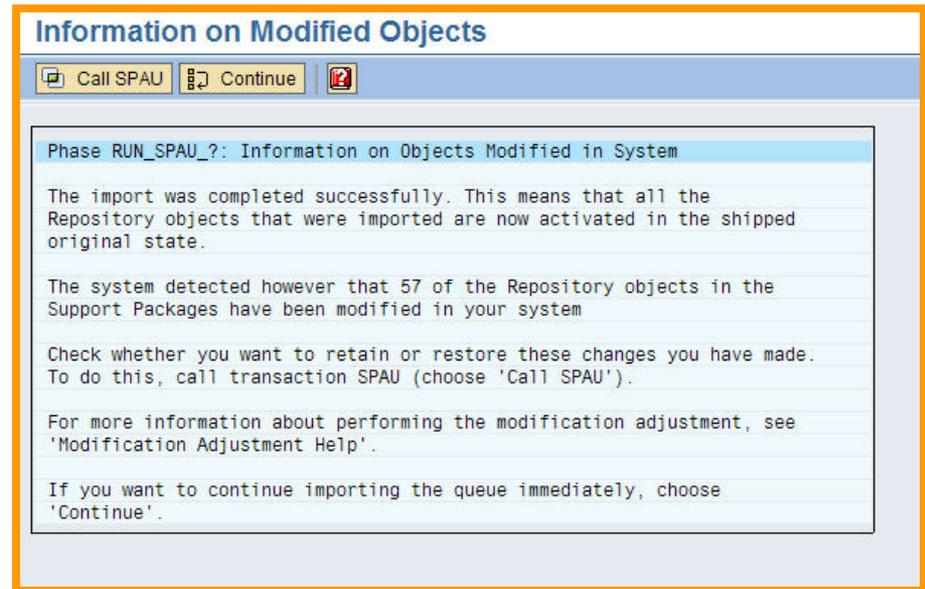
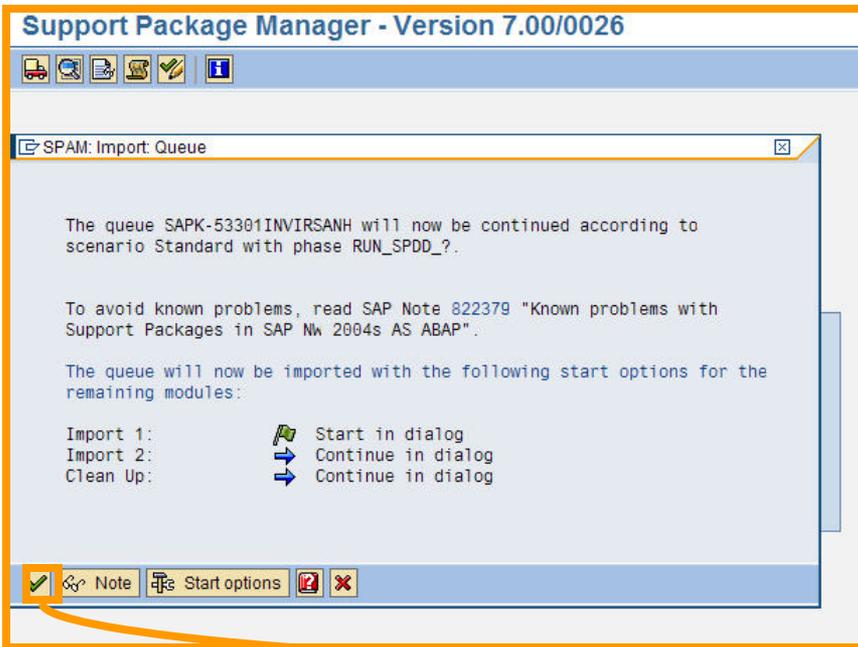
The "Confirm Completion of Modification Adjustment" dialog box is also open, asking: "Is modification adjustment of the Dictionary objects complete?" with "Yes" and "No" buttons.

# 15C – Apply Patch for Non-HR RTA

## → SPAM: Import 2 (Repository Objects)



- *Confirm* to start the import of ABAP Repository Objects
- If you modified Repository Objects you have to run in Transaction SPAU another „Modification Adjustment“. Each customer has to decide if the modifications are still needed
- If you just *Continue*, all Objects will be recovered back to SAP Standard.



# 15D - Apply Patch for Non-HR RTA

→ SPAM: Completion of Non-HR RTA Patch



### Support Package Manager - Version 7.00/0026

Queue:  Display/define

**Directory**

- New Support Packages
- Aborted Support Packages
- Imported Support Packages
- All Support Packages

**Status**

Import of queue for the  
Software Component: VIRSANH  
SPAM status:

Current action: Queue import

**Information**

Queue SAPK-53301\INVIRSANH imported successfully:  
according to Standard scenario: Confirm this

# 16A - Apply Patch for HR RTA

## → SPAM: Define Queue for HR-RTA Patch



- Patching the VIRSAHR Real-Time Agent is only required if this RTA is installed on the backend system. This is only the case if your backend is ERP2005, ERP2004, R/3 Enterprise, or R/3 4.6C. In other cases, this step is skipped.
- Select the VIRSAHR\_530\_700 Patch (here: Patch 0001 belonging to AC 5.3 SP01) and run the exact same steps as in VIRSANH\_530\_700, again.

**OCS Package Directory: New Packages**

Queue Package Attributes Link Legend

OCS packages available for this system	Description	Stat..	Import Status
▼ VIRSAHR	SAP GRC Access Controls 5.3 for 700 HR S		
▶ SAPK-53301INVIRSAHR	VIRSAHR 530_700: patch 0001	○○○	Not imported

Define Queue for the Add-On VIRSAHR rel. 530\_700

Choose the highest Support Package you want or confirm the queue

Package ID	Component	Release	Short Description
SAPK-53301IN..	VIRSAHR	530_700	VIRSAHR 530_700: patch 0001

Navigation icons: back, forward, search, refresh, close

# 16B – Apply Patch for HR RTA

## → SPAM: Completion of HR RTA Patch



**Support Package Manager - Version 7.00/0026**

Queue:  Display/define

**Directory**

- New Support Packages
- Aborted Support Packages
- Imported Support Packages
- All Support Packages

**Status**

Import of queue for the  
Software Component: VIRSAHR  
SPAM status:

Current action: Queue import

**Information**

Queue SAPK-53301INVIRSAHR imported successfully:  
according to Standard scenario. Confirm this

- Check updated patch levels of VIRSANH (and VIRSAHR) RTA in Transaction SPAM.
- If you've upgraded from the previous AC 5.2 release, and previously installed VIRSANH\_520\_700 (and VIRSAHR\_520\_700) RTAs, then the following screen is displayed in transaction SPAM:

▼	 VIRSAHR	SAP GRC Access Controls 5.3 for 700 HR S	
▶	 SAPK-52301INVIRSAHR	VIRSAHR 520_700: Patch 0001	○○■ Imported on 20.11.2007 at 15:43:52
▶	 SAPK-52302INVIRSAHR	VIRSAHR 520_700: Patch 0002	○○■ Imported on 20.11.2007 at 15:43:53
▶	 SAPK-52303INVIRSAHR	VIRSAHR 520_700: Patch 0003	○○■ Imported on 20.11.2007 at 15:43:54
▶	 SAPK-52304INVIRSAHR	VIRSAHR 520_700: Patch 0004	○○■ Imported on 20.11.2007 at 15:43:55
▶	 SAPK-53301INVIRSAHR	VIRSAHR 530_700: patch 0001	○○■ Imported on 27.05.2008 at 04:38:13
▼	 VIRSANH	SAP GRC Access Controls 5.3 for 700 HR a	
▶	 SAPK-52301INVIRSANH	VIRSANH 520_700: Patch 0001	○○■ Imported on 20.11.2007 at 15:34:36
▶	 SAPK-52302INVIRSANH	VIRSANH 520_700: Patch 0002	○○■ Imported on 20.11.2007 at 15:34:37
▶	 SAPK-52303INVIRSANH	VIRSANH 520_700: Patch 0003	○○■ Imported on 20.11.2007 at 15:34:38
▶	 SAPK-52304INVIRSANH	VIRSANH 520_700: Patch 0004	○○■ Imported on 20.11.2007 at 15:34:39
▶	 SAPK-52305INVIRSANH	VIRSANH 520_700: Patch 0005	○○■ Imported on 20.11.2007 at 15:34:40
▶	 SAPK-53301INVIRSANH	VIRSANH 530_700: patch 0001	○○■ Imported on 27.05.2008 at 04:35:54

- **GRC Regional Implementation Group**  
**SAP BusinessObjects Governance, Risk, and Compliance Solutions**

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