

Conigma™ DEVSYNC

Synchronizing SAP systems

**SAP® Change und Transport
Management made easy**

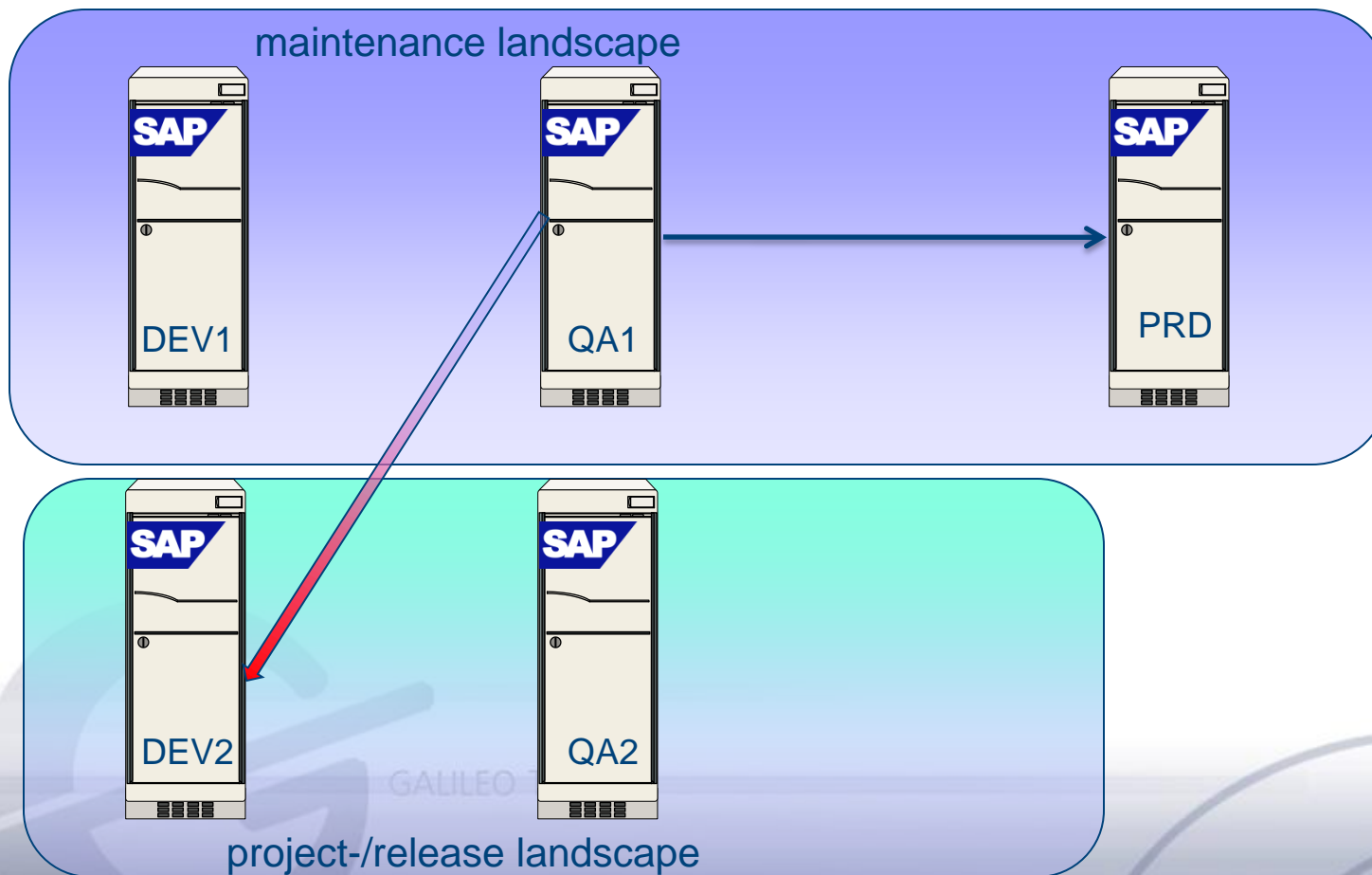
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Starting Position

- **Parallel SAP development systems (5-box landscape)**
 - Development system for maintenance - change requests, bug fixes for current production system („continuous development“)
 - Development system for projects or internal releases, i.e. 6 month cycle for bulk of new/changed functionality
- **Synchronization (Merge or Release-Cutover)**
 - Manually
 - Time consuming (often several days, weeks)
 - Error prone
 - Expensive – a lot of resources required

SAP 5-Box landscape



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Functionality



Calculating the difference between two SAP systems

- **Comparing the QA system of the maintenance landscape with the development system of the „project“ or „release“ landscape to make sure the project uses the latest status of the production system**

and/or

- **Comparing the QA-System of the „project“ or „release“ landscape with the development system of the maintenance landscape before go-live of a project or a new release (cutover)**

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Features



- **Automated generation of transport orders for all objects, which can be imported without conflict into the target system**
 - Customizing, ABAP, Non-ABAP Objects in conjunction with CTS+
 - Repack into a synchronization transport(s) using selected import strategies (subset, single)
- **Displaying objects, which during synchronization or cutover needs human intervention**
- **Manual changes via graphical UI**
- **Usable stand-alone or as integral part of Conigma™ CCM**
 - Usage in combination with Conigma™ CCM allows additional powerful filters and selection criteria

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Pre-conditions



To use the full functionality of Conigma™ DEVSYNC, the following conditions apply for the SAP systems involved

- RFC connections in place between the involved SAP systems
- Conigma™ DEVSYNC transport has been imported into on all SAP systems involved in synchronization
- Conigma™ DEVSYNC specific role needs to be assigned
- Support for SAP version R/3 4.6C and higher

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The screenshot shows the Conigma DEVSYNC interface. On the left, there are two panels: 'Selection' and 'Available objects'. The 'Selection' panel shows a tree view under 'Data source' with 'Direct obj. entry' selected. The 'Available objects' panel shows a tree view under 'Data source' with 'Available transport requests', 'Direct obj. entry', and 'Selection of Conigma objs.' listed. On the right, there is a main form with a 'Title' field containing 'Development class /GAL/SH_OLA'. Below this, there are three input fields: 'Development class / package' with the value '/GAL/SH_OLA', 'Type', and 'Name'.

System selection

- Source system (SID) for synchronization
- Target system (SID) of synchronization

Data sources

- Transport requests
- Conigma™ Objects
- Direct object entry

Filter

- Classes, types, SAP user, etc.

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The screenshot shows the 'Conigma DevSync - Object selection' window. On the left is a sidebar with icons for System selection, Object analysis, Object selection, Repack, and Summary. The main area displays a tree view of objects categorized into Data element (8), Development class/package (1), Domain (5), Function group (2), and Interface (ABAP objects) (10). At the bottom, a table shows the status of the synchronization process.

| Status | Current date | Time | Text |
|-------------------------------------|--------------|----------|----------------------------|
| <input checked="" type="checkbox"/> | 12.10.2009 | 14:06:30 | Conigma DevSync 2.0 |
| <input type="checkbox"/> | 12.10.2009 | 14:08:53 | 91 objects to be processed |

Analyzing objects involved in synchronization

- Displaying objects – type, name
- Filtering
- Automatic pre-selection of objects, manual detailing and changes
- Comparison of objects

The screenshot shows the 'Compare Method Implementations: All' window. It displays a comparison of method implementations between a local system (syste001) and a remote system (systeT01). The comparison is for the constructor method of the class /GAL/SH_OLA_DS_TRANSPORT_REQ. The code snippets for both systems are shown side-by-side, highlighting differences in implementation.

| Local syste001 | Remote systeT01 |
|---|--|
| 000010 METHOD constructor. 000020 CALL METHOD super->constructor 000030 EXPORTING destination = destination. 000040 000050 me->trkorr = trkorr. 000060 000070 me->failsafe_read = failsafe_read. 000080 000090 IF e070 IS INITIAL. 000100 CALL METHOD get_e070_entry 000110 RECEIVING ... 16 unchanged lines omitted 000280 ENDIF. 000290 000300 ENDMETHOD. | 000010 METHOD constructor. 000020 CALL METHOD super->constructor 000030 EXPORTING destination = destination. 000040 000050 me->trkorr = trkorr. 000060 000070 IF e070 IS INITIAL. 000080 CALL METHOD get_e070_entry 000090 RECEIVING ... 16 unchanged lines omitted 000260 ENDIF. 000270 000280 ENDMETHOD. |

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Benefits



- **Synchronization**
 - Any time, if required -> development system for „projects“ or „releases“ always very close to actual production system
 - Highly automated
 - Fast (hours)
- **Huge quality improvement and significantly faster go-live of projects or new releases**
- **Cost reduction**
 - Less man power for synchronization
 - Reduced costs after go-live for analysis and bug fixing
- **Happy end users**

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Thank you for your attention

Questions ?

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