



What's new Plattform SP3 – SP6 [Session A4]

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Zürich, 11. September 2018



Agenda

- › Highlights aus SP3 & SP4
- › SP5
- › SP6
- › Was bringt die Zukunft?

Highlights aus SP3 & SP4



SP3

- Split-Installation
- Papierkorb im BI-Launchpad
- CMS-DB Treiber
- HANA als CMS- und Audit-DB
- BI Administrators' Cockpit Daten Export (CSV)
- Kommentar Promotion

SP4

- Tomcat 8.5.13 & SQL Anywhere 17
- Update Visual C++ Runtime (15) → Update Add-Ons
- Einführung Fiorified Launchpad
- Security-Updates (minimale Schlüssellänge, TLS 1.2, SMTP über SSL) → Achtung bei veralteten Clienttools
- Performance-Upgrades (LCM, CMS, Indexing, usw.)

SP5



Tomcat

› BO 4.2 → 8.0.21

› Ab SP3 → 8.0.32

› Ab SP4 → 8.5.13

Apache Tomcat/8.5.13



If you're seeing this, you've successfully installed Tomcat. Congratulations!



Recommended Reading:

[Security Considerations HOW-TO](#)

[Manager Application HOW-TO](#)

[Clustering/Session Replication HOW-TO](#)

Server Status

Manager App

Host Manager

Tomcat

› BO 4.2 → 8.0.21

› Ab SP3 → 8.0.32

› **Ab SP5** → 8.5.13

Apache Tomcat/8.5.13



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Server Status

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NEU:

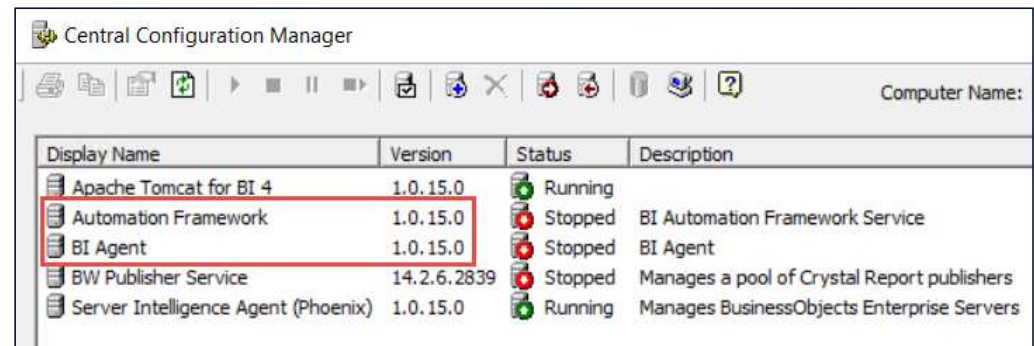
› JVM-Version 8.1.030

› Unterstützung Tomcat 9 & IBM WebSphere für wdeploy

› RESTful Web service direct auf Tomcat anstatt WACS

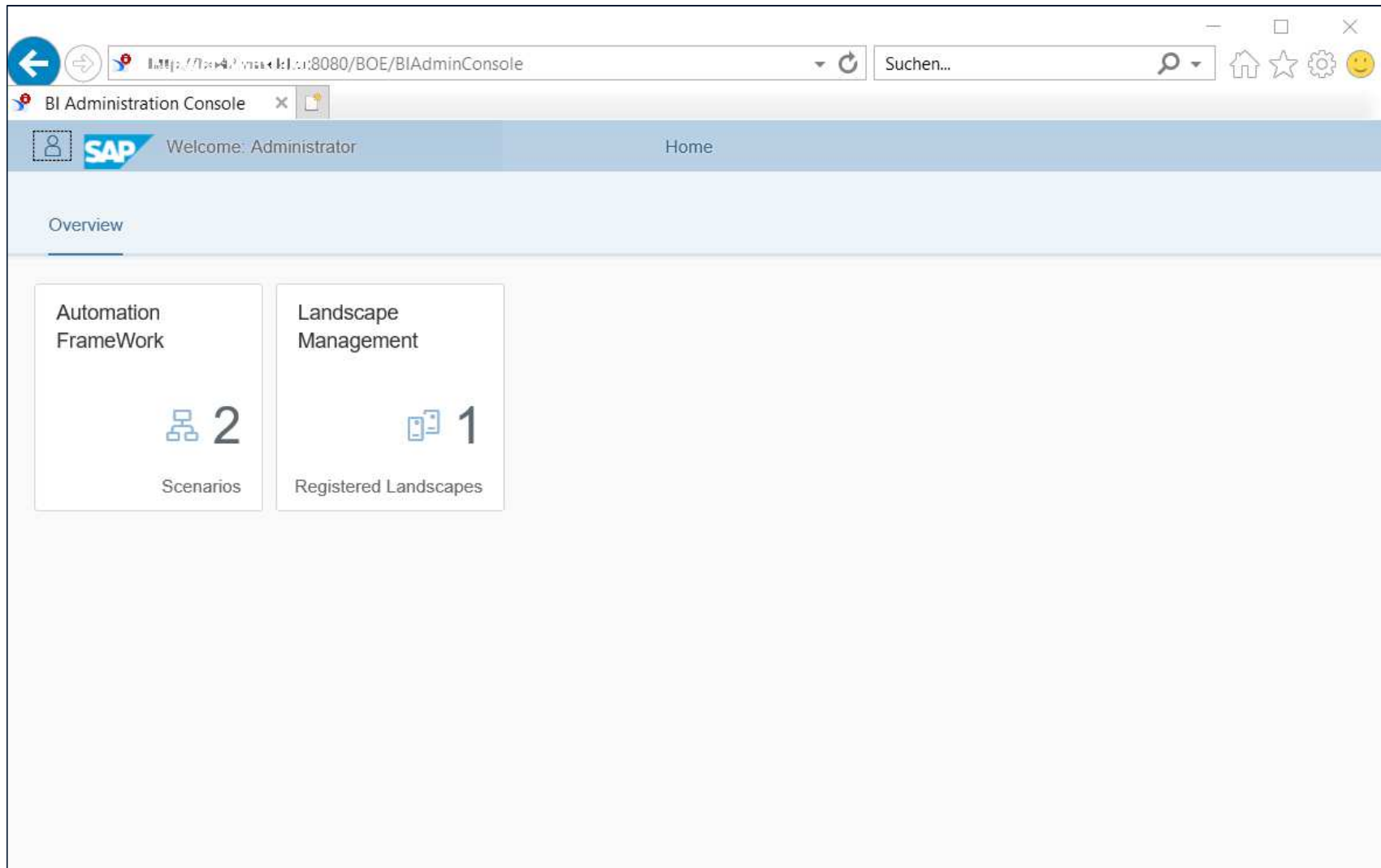
BI Administrator Console

- › Fiori-Style Launchpad zur Automatisierung von Tasks in registrierten BO-Umgebungen / -Clustern
- › BI Administrator Console ≠ BI Administrators' Cockpit
- › Aufruf über <server_name>:<port_number>/BOE/**BIAdminConsole**
- › 2 Web-Applikationen:
 - › Landscape Management
 - › Automation Framework
- › 2 Dienste in der CCM
 - › Automation Framework (Dienst für Scenarios)
 - › BI Agent (Dienst für execution load)



Central Configuration Manager

Display Name	Version	Status	Description
Apache Tomcat for BI 4	1.0.15.0	Running	
Automation Framework	1.0.15.0	Stopped	BI Automation Framework Service
BI Agent	1.0.15.0	Stopped	BI Agent
BW Publisher Service	14.2.6.2839	Stopped	Manages a pool of Crystal Report publishers
Server Intelligence Agent (Phoenix)	1.0.15.0	Running	Manages BusinessObjects Enterprise Servers



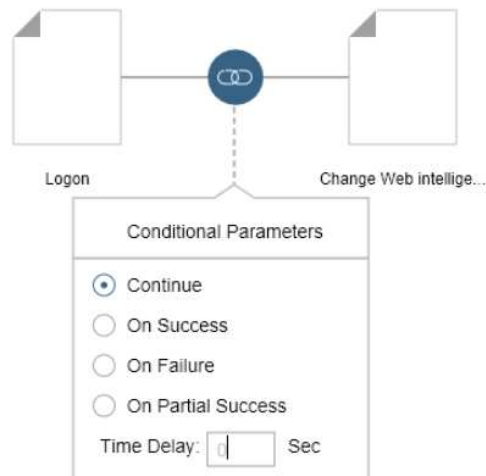
BI Administrator Console – Landscape Management

- › Zur Registrierung und Verwaltung von BO-Servern
- › Logon-Credentials können hinterlegt werden

Landscape Name	System Id	Description	Status	
Production	MO-13EP2557D-6400	Default Landscape	Credentials Entered	...
QA	10.97.174.164		Credentials Entered	...
Sandbox System	CHANGEDCOR256		No Credentials Entered	...

BI Administrator Console – Automation Framework – Task Template

- › Kleinste Ebene der Automatisierung
- › Task Templates können zusammen mit anderen Task Templates zu einem Task Workflow zusammengefasst werden
- › z.B. Logon, Logoff, Change Webi Source, usw.
- › Standard Templates vorhanden, Custom Templates können selbst per Java SDK erstellt werden
- › Taskflow kann mit Bedingung versehen werden




BI Administrator Console – Automation Framework – Workflow Template

- › Ein Workflow Template besteht aus einem oder mehreren Custom oder Standard Task Templates
- › Verwendete Tasks können eingesehen aber nicht editiert werden
- › Workflow kann mit Bedingung versehen werden



BI Administrator Console – Automation Framework – Workflow Template


 Welcome: Administrator
 Automation FrameWork

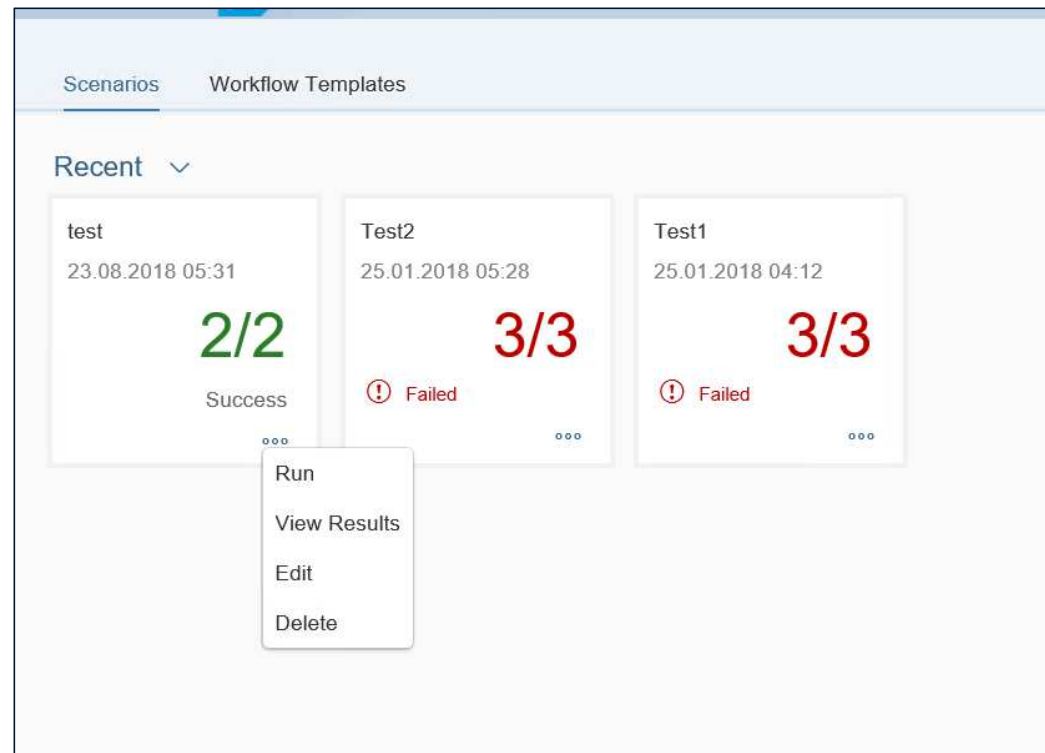
[Scenarios](#)
[Workflow Templates](#)

Recent ⌵ + ↻ ⚙

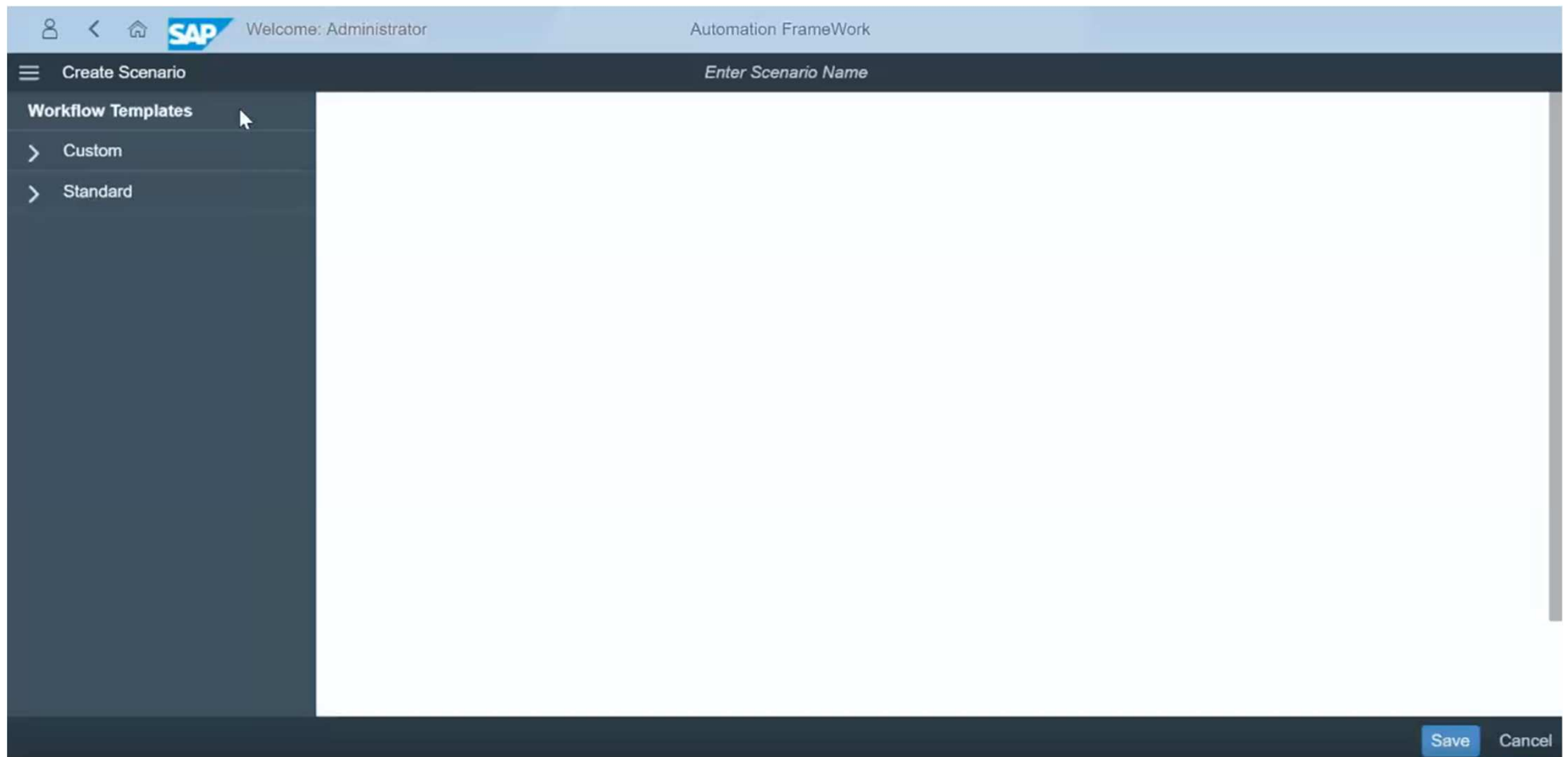
Workflow Template Name	Category	Created by	Updated On	Created On	
Change Web Intelligence docum...	Custom	BOB	Dec 1, 2017 3:08 AM	Dec 1, 2017 3:08 AM	...
Change License Type Workflow ...	Custom	BOB	Dec 1, 2017 2:59 AM	Dec 1, 2017 2:59 AM	...
Doc Refresh-Query Worklist	Custom	BOB	Dec 1, 2017 1:52 AM	Dec 1, 2017 1:52 AM	...
Change License type	Custom	BOB	Dec 1, 2017 12:31 AM	Dec 1, 2017 12:31 AM	...
Change Web Intelligence Source...	Custom	BOB	Nov 29, 2017 9:25 PM	Nov 29, 2017 9:25 PM	...
Add user to the BI platform	Custom	BOB	Nov 29, 2017 9:15 PM	Nov 29, 2017 9:15 PM	...
Rohit-WFT-CHNG WEBI	Custom	BOB	Nov 28, 2017 9:49 PM	Nov 28, 2017 9:49 PM	...
WFT-Add Users	Custom	BOB	Nov 28, 2017 9:17 PM	Nov 28, 2017 9:17 PM	...
Ref-docs	Custom	Administrator	Nov 21, 2017 8:13 PM	Nov 21, 2017 8:13 PM	...
webi-	Custom	Administrator	Nov 20, 2017 8:12 PM	Nov 20, 2017 8:12 PM	...

BI Administrator Console – Automation Framework – Scenarios

- Ausführbares Objekt welches aus Standard- oder Custom Workflow Templates besteht
- Kann direkt aus dem Launchpad ausgeführt, editiert oder gelöscht werden
- Status wird in Kacheln angezeigt




BI Administrator Console – Automation Framework – Scenario




BI Administrator Console – Automation Framework – Scenarios

- › Detaillierter Status durch Klick auf ...
- › Ergebnisse können im Status «Running» (semi-live), «Success» oder «Failure» eingesehen werden

 Welcome: Administrator Automation FrameWork

Results Page

Created On : Jan 25, 2018 5:36 AM
 Created By : kguhr



```

    graph LR
      L1((Logon)) --> R[Refresh Documents]
      R --> L2((Logout))
  
```

Details ↻

<input type="checkbox"/>	Task Name	Start Time	End Time	Duration	Status	Summary	
<input type="checkbox"/>	▼ Logon	Thu Jan 25 05:36...	Thu Jan 25 05:37...	00d:00h:00m:20s	Success		
<input type="checkbox"/>	Logon	Thu Jan 25 05:36...	Thu Jan 25 05:37...	00d:00h:00m:20s	Success	Logon successful	Show Details
<input type="checkbox"/>	▼ Refresh Documents	Thu Jan 25 05:37...	Thu Jan 25 05:38...	00d:00h:01m:11s	Failed		
<input type="checkbox"/>	Logon	Thu Jan 25 05:37...	Thu Jan 25 05:37...	00d:00h:00m:20s	Success	Logon successful	Show Details
<input type="checkbox"/>	Refresh Documents	Thu Jan 25 05:37...	Thu Jan 25 05:38...	00d:00h:00m:30s	Failed	'All' Documents failed to...	Show Details
<input type="checkbox"/>	Logout	Thu Jan 25 05:38...	Thu Jan 25 05:38...	00d:00h:00m:20s	Success	Logout successful	Show Details
<input type="checkbox"/>	▼ Logout	Thu Jan 25 05:38...	Thu Jan 25 05:38...	00d:00h:00m:20s	Success		
<input type="checkbox"/>	Logout	Thu Jan 25 05:38...	Thu Jan 25 05:38...	00d:00h:00m:20s	Success	Logout successful	Show Details

Zeitgesteuerte Verarbeitung

- › Neuer Status: Abgelaufen (anstatt Fehlgeschlagen in SP4)
 - › Instanz läuft nicht oder Jobserver wird innerhalb der vorgegebenen Zeit nicht gefunden

- › Custom Headers

Benutzerdefinierte Köpfe aktivieren

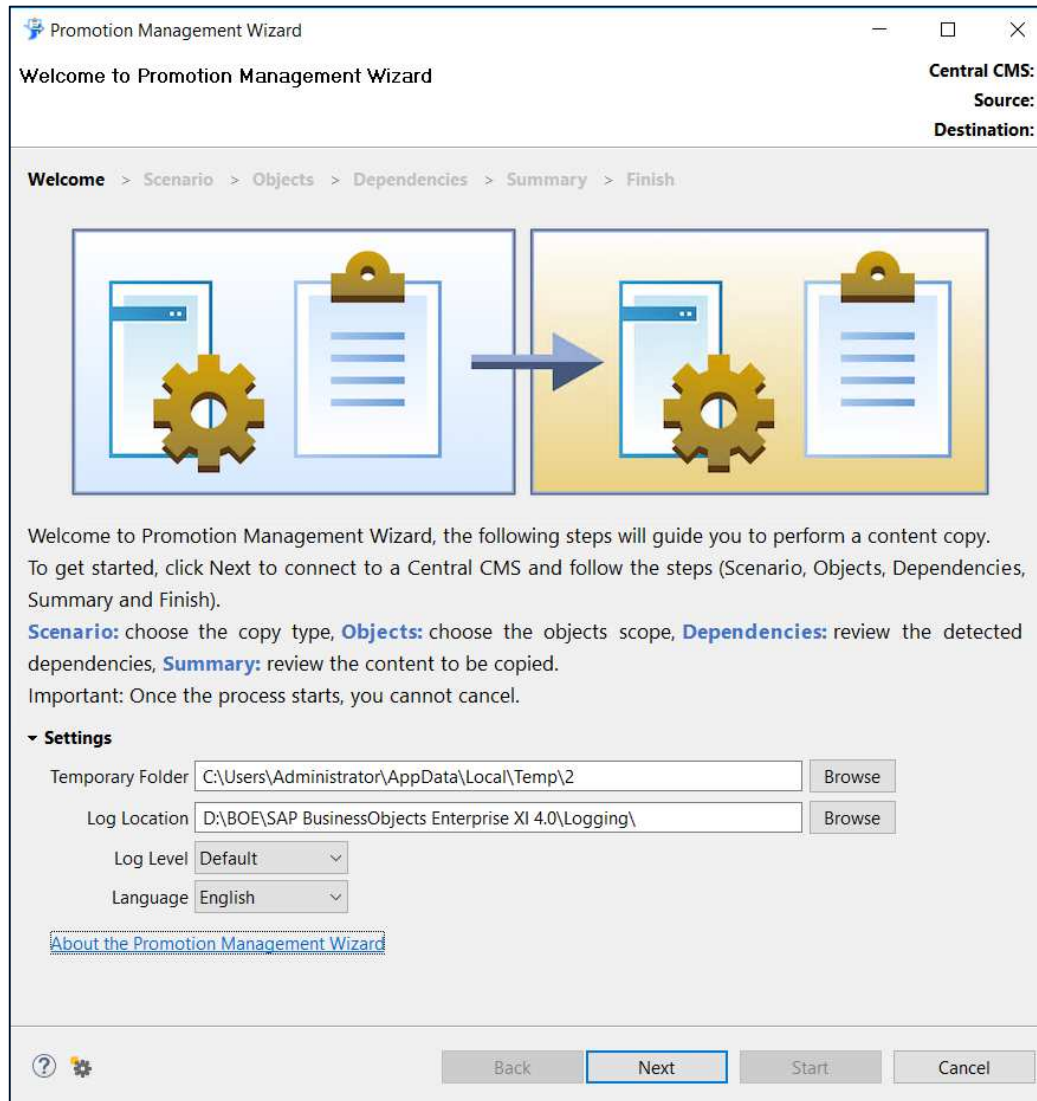
- › Individuelle Rechtevergabe für Ziele (z.B. FTP, SFTP, usw.) anstatt wie bei SP4 «Auf Ziel steuern»
- › Servergruppenzuordnungen auf Ordner- und Benutzergruppenebene für Publications

Security

- › Unterstützung SHA-256 Hashing Mechanismus (Verbindung mit CMS-DB)
- › SSL-Kommunikation mit CMS- und Audit-DB (SQL Anywhere, SQL Server, and SAP HANA)
- › SHA2-signierte Zertifikate für SSL-Konfiguration des SIA können über das GENPSE-Tool generiert werden (`<INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\win64_x64\sapgenpse.exe`)
- › Unterstützung SAML 2.0 Authentifizierung mit SingleSignOn
 - › SAP Analytics Hub, SAP Analytics Cloud, BI-Launchpad oder Fiorified BI-Launchpad
 - › Zugriff auf unterschiedliche Ressourcen während der selben Logon-Session

Promotion Management Wizard


- Promotion Management als Fat-Client direkt auf dem BO-Server installiert
- Alternative zum CLI- oder CMC-Promotion Management
- Live2Live, Live2LCMBIAR, LCMBIAR2Live
- 2 Arten des Transports
 - Full Copy → Selektion / Deselektion der Kommentare als einzige Option
 - Selective Copy → Optionen wie z.B. Security oder Abhängigkeiten selektierbar
- Time Filter für letztes Änderungsdatum
- Temporärer Ordner für Import-Export (frei wählbar)
- Promotion summary als csv exportierbar





Promotion Management Wizard

Scenario Step **Central CMS:** C6601055657
 Choose a Scenario and the Systems to copy **Source:**
Destination: promotion.lcmbiar

Welcome > **Scenario** > Objects > Dependencies > Summary > Finish

 **Export (Live CMS to lcmbiar file)**
 Copy the objects and the files that you select from a source system to a lcmbiar file with the options that you specify in the next steps. You can use the lcmbiar file later with the Import scenario.

 **Promote (Live CMS to Live CMS)**
 Copy the objects and the files that you select from a source system to a destination system with the options that you specify in the next steps.


 **Import (lcmbiar file to Live CMS)**
 Using a lcmbiar file that was previously created during an Export Scenario, populate the objects and files to a destination system.

Source **Destination**

Make the Central CMS as the Source CMS

Name:
 User:
 Password:
 Authentication: Enterprise

File: C:\Users\Administrator\D Choose...
 Password:
 Confirm password:

?  Back Next Start Cancel

Promotion Management Wizard

Objects Step **Central CMS:** C6601055657
Source: C6601055657
Destination: promotion.lcmbiar

Choose Full Promotion (all objects) or Selective Promotion

Welcome > Scenario > **Objects** > Dependencies > Summary > Finish

Full content promotion
Copy all objects, instances, relationships, security definition from the source to the destination. Because all relationships are kept, dependencies will not be evaluated.

Selective content promotion
Copy the objects and instances that you select from the source to the destination. Dependencies will be calculated during the next step. Options...

Apply Time Filter: September 10, 2013 7:47:37 AM To: September 10, 2018 7:47:37 AM

<input checked="" type="checkbox"/>	Title	Date Modified	<input checked="" type="checkbox"/>
<input type="checkbox"/>	System Configuration Wizard		
<input type="checkbox"/>	VersTest		
<input type="checkbox"/>	Visual Difference		
<input checked="" type="checkbox"/>	Web Intelligence Samples		
<input checked="" type="checkbox"/>	Mobile Samples		
<input checked="" type="checkbox"/>	Resources		
<input type="checkbox"/>	Applications		
<input type="checkbox"/>	BusinessViews		
<input type="checkbox"/>	Calendars		
<input type="checkbox"/>	Categories		
<input type="checkbox"/>	Connections		
<input type="checkbox"/>	Events		
<input type="checkbox"/>	Favorite Folders		
<input type="checkbox"/>	Inboxes		
<input type="checkbox"/>	Lumira Bookmarks		
<input type="checkbox"/>	Personal Categories		

<input checked="" type="checkbox"/>	Title	Date Modified	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Multiple Data S...	Jan 18, 2018	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Input Controls	Jan 18, 2018	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Charting	Mar 22, 2018	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Fold Unfold	Jan 18, 2018	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Sales Analysis D...	Jan 18, 2018	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Rio Games 2016	Jan 18, 2018	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	ZZ_Activity Follow-...	Jan 18, 2018	<input checked="" type="checkbox"/>

Back Next **Start** Cancel

Export Options

Object Instances

- Export all instances of an object when the object is selected
- Export only the recurring instances of an object when the object is selected
- Do not export object instances

Object Dependencies

- Include dependencies when selecting objects
- Exclude dependencies when selecting objects

Security

- Include Object Security
- Include User Security
- Include Top Level Security
- Include Application Security

Commentary

- Include Comments

Federation Jobs

- Include Federation Jobs relationship

Name Conflict Resolution

If the tool copies an object to a folder that already contains an object of the same name and type, the tool should:

- Rename the object to avoid name conflict

OK Cancel

Promotion Management Wizard

Dependencies Step

Choose the objects discovered as dependency

Central CMS: C6601055657
Source: C6601055657
Destination: promotion.lcmbiar

Welcome > Scenario > Objects > **Dependencies** > Summary > Finish

Expand all Collapse all

Title	Cuid	Date Modified
<input checked="" type="checkbox"/> eFashion <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Webi <ul style="list-style-type: none"> Report_6 Report_7 	AX3cE9nWhMBLtXyWJ56OoDQ	May 4, 2018
<input checked="" type="checkbox"/> eFashion <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Webi <ul style="list-style-type: none"> Report_1 Report_2 Report_3 Report_4 Report_5 	AZtmGeZqCIIIugfputlCuho	Apr 26, 2018
<input checked="" type="checkbox"/> efashion-webi <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Webi <ul style="list-style-type: none"> Report_1 Report_2 Report_3 Report_4 Report_5 Report_6 Report_7 	AQoPFEYGN_hJucYDziTXhil	Jul 16, 2018

Promotion Management Wizard

Summary Step
Review the content that will be copied

Central CMS: C6601055657
Source: C6601055657
Destination: promotion.lcmbiar

Welcome > Scenario > Objects > Dependencies > **Summary** > Finish

Expand all Collapse all

Title	Cuid	Date Modified
CCIS.DataConnection (1 objects)		
efashion-webi	AQoPFEYGN_hJucYDziTXhil	Jul 16, 2018
Folder (1 objects)		
CURRENT	ARs7Au2ucXpEnVq5m_8X43k	Jan 19, 2018
Universe (2 objects)		
eFashion	AX3cE9nWhMBLtXyWJ56OoDQ	May 4, 2018
eFashion	AZtmGeZqCllugfputlCuho	Apr 26, 2018
Webi (7 objects)		
Report_6	AfOxV.8B061Gneu.k614efo	May 25, 2018
Report_3	AUCAC6be9jJKoO.BDya.OqY	May 25, 2018
Report_1	AR9XLSLhLxAovrsPQkf5r4	May 25, 2018
Report_4	ATIXhnbipf9EpGUIbOW4nSs	May 25, 2018
Report_2	AS0j9TAGPINAqbWzneeZfxs	May 25, 2018
Report_5	AcIpQLb3tp1MqOWHMYLz9Q	May 25, 2018
Report_7	AcnFX84ZwoRPtx5iuZpObUM	May 25, 2018

Minimum temporary space required: 3.34 MB

Back Next Start Cancel

Promotion Management Wizard

Finish Step
Monitor the copy process and review the result once finished

Central CMS: C6601055657
Source: C6601055657
Destination: promotion.lcmbiar

Welcome > Scenario > Objects > Dependencies > Summary > **Finish**

Console Selective Export (9/10/18 8:00:50 AM)

Computing dependencies ...
Dependencies computed
Added 5 resource(s)
Exporting all instances ...
Running query on browser ...
Query returned 0 object(s)
Added 0 resource(s)
Instances exported.
Setting options:
- Rename pattern is "%1 - Copy (%2)"
- Comments are OFF
- Federation job relationship is ON
- Object security is OFF
Saving job "Selective Export (9/10/18 8:00:50 AM)" ...
Job saved
Exporting resources from source "c6601055657:6400" to file "promotion.lcmbiar" ...
Resources exported
Deleting job "Selective Export (9/10/18 8:00:50 AM)" ...
Job deleted
Browser cleared
[Finished. See result.](#)
Scenario took 16s.

Clear

? [Gears] Back Next **Start** Cancel

SP6



SP6

- TLS 1.2 Support für LDAP Authentication
- RESTful Web Service für WebSphere-Server
- WebSphere-Server als SAML-Identity-Provider
- DSGVO-Ausschlussklausel für BI-Launchpad, CMC oder Fiori Launchpad ausblenden
- Fussnote in ErrorsAndWarnings.log

For common install errors, refer Guided Answers - How to find TOP Knowledge Base Articles (KBAs) in SAP BI Platform (<https://gad5158842f.us2.hana.ondemand.com/dtp/viewer/#/tree/1851/actions/23941>) or contact system administrator.

- Hinzufügen von (neuen) Sprachen während des Updates
- CommandLine-Option für Check Pre-Requisites bei Installation oder Upgrade
- Umstellung Monitoring von Flash auf HTML5

ONE Installer Package

- › Einzelnes Installations-Paket für Full- und Upgrade-Installationen
- › Wird ab SP6 zusätzlich zu Installer- und Upgrade-Paketen (SP oder Patch) released
- › Wird in Zukunft den Full-Install und Update-Install ersetzen
- › Im Downloadbereich unter «Installations & Upgrades» und «Support Packages & Patches»



- › Vorteile:
 - › Keine Anfrage mehr für Single-Installer
 - › BO-Plattform mit nur einer Installation auf die neueste Version updaten
 - › Keine mehrfachen Patch-Schritte mehr um auf die neueste Version zu kommen
 - › Reduzierung des Testingaufwands

Zukunft(?)

- 2018(?)
 - SP7 in KW9/19 (Feb)
 - BO4.1 End-Of-Support!!!
 - E-Mail-ID als Login credential
 - SAC als neue Destination für Schedules
 - Hybrid-Lizenzen
 - Erweiterung BI Admin Console
 - Erweiterung Scheduling (z.B. Datums-Platzhalter)
 - Monitoring 2.0
 - Neue Server Metriken

Zukunft(?)

- 2019(?)
 - End-to-End SSO mit X509 Zertifikaten
 - Logon durch UPN(user@domain.com) für AD
 - Anpassung bzw. Synchronisierung der Setup-Engine über verschiedene Quellen (Plattform, Clients, Add-Ons)
 - Ausgewählte Kundenwünsche
(Derzeit knapp 1800 Requests auf SAP Customer Influence)
 - API Verbesserungen

Zukunft(?)

- › 2020(?)
 - › Q1: BO 4.3 GA
 - › Vereinfachung Deployment (z.B. Stabilisierung bei Fehlern)
 - › Plattformdienste «hybrid-fähig» machen
 - › Ausgewählte Kundenwünsche
(Derzeit knapp 1800 Requests auf SAP Customer Influence)

Wohin geht (vielleicht) die Reise?

- › Vereinfachtes Deployment
- › «Grenzenloses» SingleSignOn
- › Fiorified (HTML5) User Interface(s)
- › (Hybride) Zusammenarbeit aller BO-Tools
- › Konvergenz der BO Tool-Auswahl

Wir freuen uns auf angeregte Gespräche mit Ihnen ...

- › Alexander Pröm, Senior Business Intelligence Consultant
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