

SAP on Oracle Development Update

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Key Words:

SAP, Oracle, 11.2, 12.1, 12.2, IaaS, Multitenant, Flat InfoCubes

Introduction

This presentation contains information that is relevant in the context of SAP installations running on an Oracle database.

Based on several examples it will be discussed which Oracle versions and features are supported in an SAP environment and what benefit they have. In addition information is provided about new developments in the SAP/Oracle environment.

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IaaS Update

Oracle Cloud Infrastructure

Certification

Supported with SAP as follows:

- Oracle Database 11.2.0.4 and 12.1.0.2¹
- All features/options² supported for SAP on premise are available with Oracle Cloud Infrastructure
- Oracle Linux 6 or 7³

Supported SAP products:

- SAP NetWeaver 7.X and products based hereupon
- Unicode only

For details see

- SAP Notes 2474949 and 2520061

Oracle white paper in SAP Community

¹ Minimum SAP Bundle Patch August 2017 ² except RAC and ASM ³ both UEKR3 and UEKR4

⁴ No Support for any virtualization technology on Oracle Cloud Infrastructure Compute instances

IaaS Update

Microsoft Azure

Certification

Supported with SAP as follows:

- Oracle Database 11.2.0.4 and 12.1.0.2
- Single Instance only (no RAC)

Supported Operating System versions:

- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2012 R2 Service Pack 1

Oracle Linux 7

IaaS Update

Amazon Web Services

Certification

Supported with SAP as follows:

- Oracle Database 11.2.0.4 and 12.1.0.2
- Oracle Linux 6.4 or higher¹
- Amazon Web Services (AWS) EC2 only
 - No support for AWS RDS
- Single Instance only (no RAC)

SAP on Oracle Database 12c

Certification

Oracle Database 12c Release 1 (12.1.0.2)

Certified for Business Suite based on SAP NetWeaver starting 31 March 2015

- Including:
 - Oracle Database 12c
 - Oracle Grid Infrastructure 12c¹
 - Oracle Real Application Clusters (RAC) 12c

Minimum Requirements

- Oracle Database 12c Release 1 with initial SAP Bundle Patch (12.1.0.2.2)
- SAP Kernels 7.21_EXT or 7.4

For details see

SAP Notes 2133079 and 1914631

Releases

Support for Oracle Database 12.1.0.2

- 1st and final patch set for Oracle 12.1
- August 2017 SBP is most recent
 - contains PSU 170718 for 12.1.0.2¹

For details see

SAP Note 1915313

The following SAP products are certified with Oracle Database 12.1:¹

See the SAP Product Availability Matrix (PAM) for product versions released with Oracle 12c

SAP NetWeaver 7.0, 7.1, 7.3, 7.4, 7.5

SAP BW 7.0/7.0X, 7.1X, 7.20, 7.3X, 7.4, 7.5

SAP ERP 6.0

SAP CRM 7.0

SAP SCM 7.0

SAP SRM 7.0

Banking Services from SAP 6.0, 7.0, 8.0, 9.0

SAP Solution Manager 7.1, 7.2

SAP NW CE 7.1, 7.20

SAP NW PI 7.1
SAP LVM 2.1 and higher
SAP MDM 7.1 SP15

SAP on Oracle Database 12c Release 2

Certification

Oracle Database 12c Release 2 (12.2.0.1)

Certification planned for End of November 2017

- All platforms:
 - Oracle Cloud Infrastructure
 - On-Premise platforms¹
 - Oracle Engineered Systems²
- Single Instance and Oracle RAC²

Minimum Requirements

- Oracle Database 12c Release 2 with initial SAP Bundle Patch³
- Oracle Client 12.1 on Application Servers and Database Server
- SAP Kernels 7.21_EXT or 7.4/5

SAP on Oracle Database 12c Release 2

Features

DATA GUARD

- Fast Start Failover Max Protection
- DG Database Compare dbms_dbcomp.dbcomp
- DG DATA_GUARD_SYNC_LATENCY parameter

SECURITY/ENCRYPTION

- Fully Encrypted Database
- TDE Tablespace Live/Offline Conversion

MISCELLANEOUS

- Online Table Move
- Online Conversion Non-Partitioned Tables
- Restart Online Definition
- ILM/ADO Support with Multitenant
- Advanced Index Compression High
- RAC Multi Instance Redo Apply

and much more...

SAP on Oracle Database

New Oracle Release Strategy

Oracle is switching to yearly release cycle

One major database release per year

- Feature Releases
- Version naming based on release year
- Oracle 12.2.0.1 is last conventionally named release

Database Bundle Patches to become “Release Updates”

Patch Delivery in “Release Updates (RUs)” and “Release Update Revisions (RURs)”

- For fixes only
- All new features to ship in major releases

Cloud First

On-Premise release some months later

Oracle Multitenant

Prerequisites

Oracle Multitenant

Certified for SAP since February 2017

Minimum Requirements:

- Oracle Database 12c Release 12.1.0.2¹
- SAP NetWeaver 7.40 with kernel 7.45² patch 210
- SWPM 1.0 SP19, SUM 1.0 SP19³
- BR*Tools 7.40 Patch 30
- SAP notes to apply

For details see
SAP Note 2336881

SAP NW Business Intelligence

Flat InfoCubes with SAP on Oracle

Available from SAP NW Business Intelligence 7.40

Relies on Oracle Database In-Memory technology

- Released 30 June 2016
- Supported from:
 - SAP NW BI 7.40 SP15
 - SAP NW BI 7.50 SP04
- Oracle Database 12c Release 1 (12.1.0.2)¹ and higher
- Oracle Database In-Memory mandatory

For details see
SAP Note 2335159

Social Media

SAP on Oracle Community

SAP on Oracle Community Page

Find news, discussions and resources related to SAP on Oracle at
go.sap.com/community/topic/oracle.html¹

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