

Jan-Peter Timmermann

Oracle Forms 12c (12.2.1.19)



Why this Presentation

- Last month we got Patch 12.2.1.19 for Linux
- Support for 12.2.1.4 will end at

Oracle Fusion Middleware Releases – 12c

Release	GA Date	Premier Support Ends	Extended Support Ends	Sustaining Support Ends
Fusion Middleware 12c (12.1.x) ¹	Dec 2011 – Feb 2015	Dec 2017	Dec 2019 ²	Indefinite
Fusion Middleware 12c (12.2.x) ³	Oct 2015 – Apr 2016	Dec 2025 ^{4,5}	Dec 2027 ⁵	Indefinite

- The Current Version of Oracle Forms Oracle Forms 12c was first released in October 2015 along with many other components in the Oracle Fusion Middleware (FMW) 12c (12.2) technology stack. In addition to the many improvements delivered as part of FMW 12c, Oracle Forms specifically includes many new features and enhancements. Updates included in Oracle Forms 12c offer the ability to not only freshen up the appearance of aging applications, but also greatly improve performance, and make administration easier. The new browser-less client configuration options offer a way to no longer worry about compatibility with constantly changing browser versions and their underlying technologies.



Documents i am using

- [Oracle Forms and Reports](#)
- [Current Version 12.2.1.19](#)
- [Release Notes for 12.2.1.19](#)



Update or new Installation

- What should I know before starting the update
 - [System Requirements and Specifications for Oracle Forms and Reports](#)
 - No changes between 12.2.1.x and 12.2.1.19 ?
 - [Repository Creation Utility Requirements](#)
 - Database version is: Equal to or higher than 19.14.0
 - Database supported type is Oracle Enterprise Edition.
 - Database is installed with Oracle JVM enabled
 - Character set is AL32UTF8



Update or new Installation

- [Product-Specific Memory and Disk Space Requirements](#)

Installation Type	Disk Space required
Fusion Middleware Infrastructure	2.2 GB
Fusion Middleware Infrastructure With Examples	2.3 GB

Installation Type	Disk Space required
Standalone Forms Builder	3.5 GB
Forms and Reports Deployment (includes Fusion Middleware Infrastructure)	6.5 GB



Understanding IPv6 Support by Component

Component	IPv6 Only	Dual Stack	Comments
Oracle HTTP Server	Yes	Yes	To configure Oracle HTTP Server for IPv6, see Configuring Oracle HTTP Server for IPv6 in <i>Administering Oracle Fusion Middleware</i> .
Oracle WebLogic Server	Yes	Yes	The Oracle WebLogic Server Web Server plug-ins support IPv6, beginning with the 11g release.
Oracle Forms Services	No	No	Oracle Forms and Reports are configured with Oracle HTTP Server and mod_wl_ohs to proxy requests, which can be configured for IPv6.
Oracle Platform Security Services	No	Yes	Requires a dual stack because Oracle Database requires IPv4 addresses.
Oracle Reports	No	No	Uses reverse proxy to communicate with Oracle HTTP Server, which can be configured for IPv6.

- IPv6 and SSO
 - OAM => OHS (not working)



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- IPv6 and SSO
 - OAM => OHS (not working)
 - OAM => FORMS (is working but only with IPv4)



Oracle Fusion Middleware 12c (12.2.1.4.0) Certification Matrix

Release	Processor	OS Version
12.2.1.4.0	Linux x86-64	Oracle Linux 6
12.2.1.4.0	Linux x86-64	Oracle Linux 7
12.2.1.4.0	Linux x86-64	Oracle Linux 8



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Minimum Requirements for the Linux Operating System

X86-64

Oracle Linux 7 (UL9+) and Red Hat Linux 7 (UL9+)



Windows Operating Systems Requirements

- Installing Microsoft Visual C++ on Windows for System Components

Fusion Middleware Products	Visual Studio (VC++) Version
Oracle HTTP Server	Visual Studio 2017 (VC++ 14.34)
Forms and Reports	Visual Studio 2017 (VC++ 14.34)



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- For 12.2.1.3 / 12.2.1.4 we need VC++ V10 and V11



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- **Oracle recommends migrating to Oracle BI Publisher for reporting purposes. Oracle BI Publisher is Oracle's strategic product for enterprise reporting. This reporting solution allows authoring, managing, and delivering pixel-perfect customer facing reports against various data sources with web browser or familiar desktop tools.**



Relinking Oracle Forms Executables After Installation

- This installation includes several database client library updates. These libraries provide functionality and technology like PL/SQL, OracleNet, and others. On Unix/Linux installation, some of these updates are not being linked to the Forms executables and therefore the updates they contain are not exposed.



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To correct this, it is necessary to relink as follows:

Set the ORACLE_HOME environment variable and point it to the Forms home, for example: export
ORACLE_HOME=<FORMS HOME>

Issue the following commands: cd \$ORACLE_HOME/procbuilder/lib

```
make -f ins_procbuilder.mk sharedlibs dejvm_install
```

```
cd $ORACLE_HOME/forms/lib
```

```
make -f ins_forms.mk sharedlib frmopmn_wrp_install frmctrl_install frmweb_install frmcmpb_install frmcmp_install  
frmbld_install
```



Oracle Forms Application Supports JACOB Version 1.18 and later

- Oracle Forms 12.2.1.19 uses the third-party library, JACOB, for enabling OLE support when using WebUtil. This Forms version supports JACOB 1.18 and later. However, the installation is pre-configured to use JACOB 1.18-M2. It will be necessary to make changes in the WebUtil configuration if any other version is used.



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- Regardless of which version you choose to use, you must download, sign, and insert the library set into the appropriate directories before use. Refer to the Forms Builder Help for more information.



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- Current releases are available on GitHub here: <https://github.com/freemansoft/jacob-project/releases>.



Forms Using 19.14.0.0 Database Client

- The following are the issues with Forms using the database client:
 - This Forms installation is based on Oracle Database 19.14.0.0. As a result, all application modules must be regenerated prior to running. Once application modules have been regenerated in the new version, they (source or runtime files) will not be backward compatible with any earlier versions. Backup copies of application modules should be created before attempting to regenerate or open in the Forms Builder. This process cannot be reversed.



Forms Using 19.14.0.0 Database Client

- The following are the issues with Forms using the database client:
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 - User exits should be regenerated using a version 19.14.0.0 pre-compiler.



Thanks for listen



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