

ORACLE

Oracle Forms It's Time to Upgrade

Why Do I Need Oracle Forms 12.2.1.19

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Agenda

1. The Oracle Forms and Reports 12c Family
2. Understanding Support
3. What's New for Forms 12.2.1.19
4. Upgrading
5. What Next
6. Event Schedule
7. Q & A





The Oracle Forms and Reports 12c Family



Oracle Forms 12c

- **12.2.1.0 released 2015**
 - Many new features, enhancements, and bug fixes compared to previous version/family (11.1.2.x).
- **12.2.1.1 released 2016**
 - Improvements and new features. Bug fixes.
- **12.2.1.2 released 2017**
 - Minor improvements. Bug fixes.
- **12.2.1.3 released 2018**
 - Improvements and new features. Bug fixes.
- **12.2.1.4 released 2019 (*ECS ending Sept 2024*)**
 - Improvements and new features. Bug fixes.
- **12.2.1.19 released 2023**
 - Improvements and new features. Bug fixes.

*Rows in **yellow** are no longer entitled to error correction.*





Forms 12c Feature Highlights

Forms Application Deployment Services

Applications

Application	Status
webutidemo	Deployed
employee	Failed

Deploy

WLS Servers: WLS_FORMS

Username:

Password:

Database:

Archive: No file selected.

Contents

1	0	1
FMBs	MMBs	OLBs
1	0	1
PLLs	User Exits	SQL Files
1	0	0
Client Files	Server JARs	Misc. Files

Last Deployed 19 Apr 2019

Advanced Configuration

Advanced Configuration

View or edit a Forms configuration or template file. Use the Select Category and Select File lists to select a file, then edit.

Select Category: Client Templates
Miscellaneous

Select File: base.htm
base.inlp
basejpi.htm
basejpi_inlp.htm

Warning: File contents intended for languages not supported by this browser may not appear correctly.

base.htm

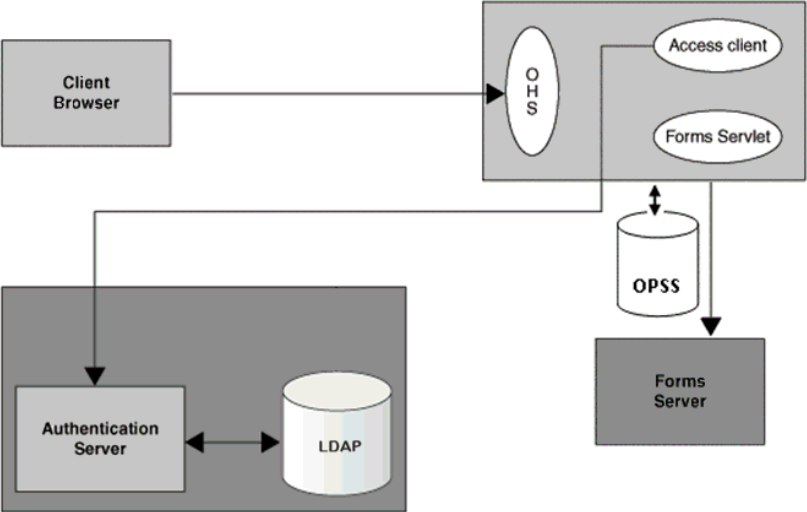
```
<HEAD><TITLE>%pageTitle%</TITLE></HEAD>
<BODY %HTMLbodyAttrs%
%HTMLbeforeForm%
<!-- COMMENT below is required for legacy-lifecycle support. -->
<COMMENT id="forms_plugin_info"
serverURL="%serverURL%">
</COMMENT>
<!-- Forms applet definition (start) -->
<APPLET CODEBASE="%codebase%"
CODE="oracle.forms.engine.Main"
ARCHIVE="%archive%"
WIDTH="%width%"
HEIGHT="%height%"
NAME="%applet_name%">
<PARAM NAME="java_version" VALUE="%java_version%">
<PARAM NAME="serverURL" VALUE="%appletServerURL%">
<PARAM NAME="networkRetries" VALUE="%networkRetries%">
```



Forms 12c Feature Highlights



OPSS for RAD Storage



RAD Administration

Resources	Database Connection Information	Description
default		
Group Resource	scot*****@ord12	
webutil		
jane.smith	jsmith*****@sales1	
joe.doe	jdoe*****@sales1	



Forms 12c UI Feature Highlights



Canvas Gradient

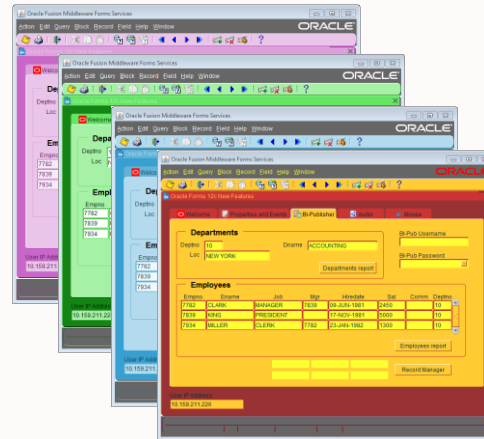
Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7369	SMITH	CLERK	7902	17-DEC-1980	800		20
7566	JONES	MANAGER	7839	02-APR-1981	2975		20
7788	SCOTT	ANALYST	7566	09-DEC-1982	3000		20
7876	ADAMS	CLERK	7788	12-JAN-1983	1100		20
7902	FORD	ANALYST	7566	03-DEC-1981	3000		20

Tabs with Icons

Row Banding

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
9513	ANDREWS	SALESMAN	7698	01-MAR-2016	3222	100	30
7499	ALLEN	SALESMAN	7698	20-FEB-1981	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-1981	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-1981	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-1981	2850		30
7844	TURNER	SALESMAN	7698	08-SEP-1981	1500	0	30
7900	JAMES	CLERK	7698	03-DEC-1981	950		30

Customizable Color Schemes



Login Hints

New Smart Bar Sizes



Item Level Mouse Pointers



Oracle Reports 12c

- Included in the same distribution with Oracle Forms.
- *Deprecated** (Reports only) as of version 12.2.1.x.
 - New releases planned to only include standard bug and security fixes.
 - New features/enhancements *may* be introduced as needed, but currently none are planned.
 - Currently, no plans to desupport*.
 - Customers interested in migrating from Reports should consider Analytics Publisher; included in current license(s).

Definitions:

Deprecated

The product is planned to continue being supported and delivered in new product bundles. New bug (*including security*) fixes will be provided as needed. No new features or enhancements are planned, although may be included at Oracle's discretion.

Desupported

No further error correction or new features will be provided. Product may no longer be delivered.





Understanding Support



Lifetime Support Policy



Oracle Fusion Middleware Releases – 12c

Release	GA Date	Premier Support Ends	Extended Support Ends	Sustaining Support Ends
Fusion Middleware 12c (12.2.x) ³	Oct 2015 – Apr 2016	<u>Dec 2026</u> ^{4,5,6}	<u>Dec 2027</u> ⁵	Indefinite

For information on bug fix and patch release policies, please refer to the [Oracle Fusion Middleware Error Correction Policy \(Doc ID: 209768.1\)](#).

New major versions are added when delivered.

<https://www.oracle.com/us/assets/lifetime-support-middleware-069163.pdf>



Oracle Forms and Reports 12.2.1.4 Error Correction Support ends September 2024

*Refer to “Grace Period” in the Oracle Support Policy
My Oracle Support Note 209768.1*





What's New in 12.2.1.19



Forms 12c New Features



All Documentation Libraries	FORMS 12C SUPPLEMENTAL CONTENT
<u>Forms 12c Supplemental Content</u>	Technical Papers
Forms 11g Supplemental Content	New Features ←
Related FMW Content	Technical Overview
	FAQ for Forms Upgraders
	Using Forms Standalone Launcher (FSAL)
	Forms XLIFF Extract and Merge Utility
	Using Forms with Developer Cloud Service
	Quickly Provision Forms in Oracle Cloud
	Forms and Reports Integration
	Forms 12c JDAPI JavaDoc

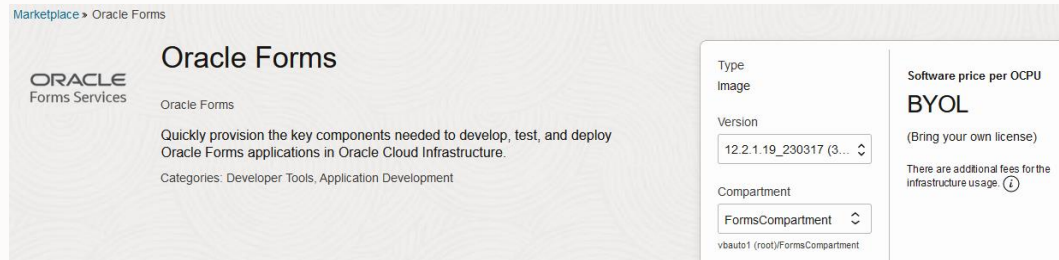
<https://www.oracle.com/application-development/technologies/forms/forms.html>

<https://docs.oracle.com/en/middleware/developer-tools/forms/12.2.1.19/releasenotes-fnr>



Forms Cloud Options

Bring Your Own License (BYOL)

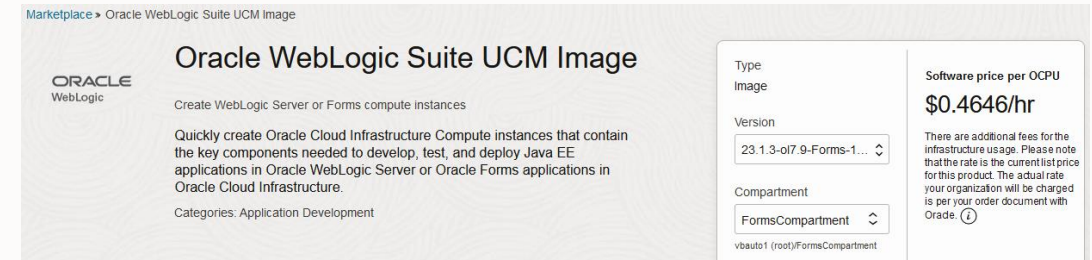


Supported with ADB, DBCS, or an image local database.
Ideal for customers who already own licensing and either have extra/unused licensing or those who are moving from on-prem to Cloud.
Use with test, development, or production environments.

THIS IS A CUSTOMER MANAGED ENVIRONMENT

<https://cloudmarketplace.oracle.com/marketplace/app/OracleForms>

Universal Credit Model (UCM)



Supported with ADB, DBCS, or an image local database.
Ideal for customers who do not already own licensing or those who require additional entitlements, but prefer to not purchase new additional licensing.
Use with test, development, or production environments where WLS Suite (with Forms) entitlements are needed.

THIS IS A CUSTOMER MANAGED ENVIRONMENT

https://cloudmarketplace.oracle.com/marketplace/app/wl_suite_ucm_image



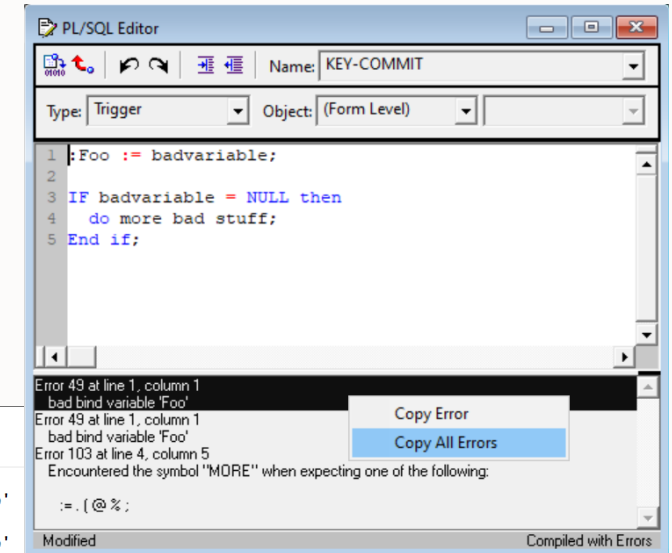
Diagnostics

- DB version in Builder About dialog
- Copy Builder code editor errors to clipboard for easy sharing with Support
- Optional FSAL logging when launched from Builder
- FSAL *showDetails* extended to show image and jar download URL
- WebUtil enhanced console output for CLIENT_HOST

```
cmd /c "dir C:\ > \"C:\tmp\mydirectory\dir.txt\""
```

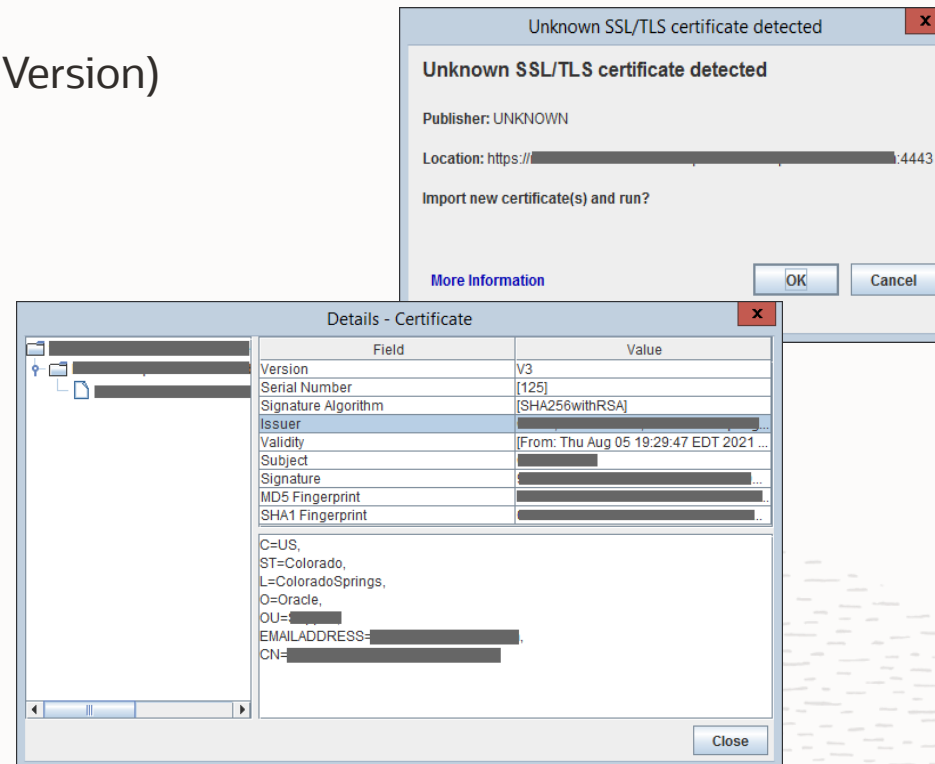
```
WUH[Host.executeHost()] cmd /c "dir C:\ > \"C:\tmp\mydirectory\dir.txt\""  
WUH[HostCommand.execute()] cmd /c "dir C:\ > \"C:\tmp\mydirectory\dir.txt\""  
WUH[HostCommand.execute() command array[0]] cmd  
WUH[HostCommand.execute() command array[1]] /c  
WUH[HostCommand.execute() command array[2]] "dir C:\ > \"C:\tmp\mydirectory\dir.txt\""  
WUH[HostCommand.execute()] Return Code = 0
```

```
*Untitled - Notepad  
File Edit Format View Help  
Error 49 at line 1, column 1  
bad bind variable 'Foo'  
Error 49 at line 1, column 1  
bad bind variable 'Foo'  
Error 103 at line 4, column 5  
Encountered the symbol "MORE" when expecting one of the following:  
  
:= . ( @ % ;
```



Forms Standalone Launcher (FSAL)

- Custom protocol handler support (fsal:// & fsals://)
- Language detection support
- Configurable Java version support (fsalJavaVersion)
- SSL/TLS Certificate Importer



Translation Utility - XLIFF

New translation utility

- Compatible with FMB, MMB, OLB files
- Uses XLIFF (XML Localization Interchange file format)
- Compatible with third party XLIFF 1.0 compatible editors or any plain text editor

```
<xliff version="1.0">
  <file datatype="fmb" original="bitester.fmb" source-language="en-US" target-language="es">
    <header/>
    <body>
      <group restype="string" id="stringtable">
        <trans-unit id="BI_TESTER:TITLE">
          <source>BI Publisher Tester</source>
          <target>Probador de BI Publisher</target>
          <prop-group name="ora_reconstruction">
```



Miscellaneous Enhancements and Bug Fixes

Miscellaneous enhancements

- New Web Configuration parameter; `clientDPIRatio`
- Added support for setting Forms toolbar canvas color at runtime
- Updated Oracle Java (JDK)
- Database 19.14 required support files (RSF)
- Updated oPatch

Bug fixes

- Includes same fixes (20+) found in 12.2.1.4 January 2023 Quarterly Patch Release (QPR)
- Includes approximately 10 new bug fixes not included in 12.2.1.4



Upgrading



Upgrading to 12.2.1.19

Starting version must be **12.2.1.3** or **12.2.1.4**

In-Place

- Appropriate for nearly all cases
- Relatively simple
- **Recommended method**

Out-Of-Place

- Typically only necessary if current Oracle Home path is not desired
 - C:\oracle\Middleware\Oracle_Home12213
- Requires the use of Reconfiguration Wizard and Upgrade Assistant utilities
- More time consuming



What Next



On the RADAR



Many new features planned for Forms.

Refer to Oracle Forms Statement of Direction for details:

<https://www.oracle.com/docs/tech/oracleformssod.pdf>

Next major FMW release planned for availability in 2024.

Refer to Fusion Middleware Statement of Direction for details:

<https://www.oracle.com/a/ocom/docs/middleware/fusion-middleware-statement-of-direction.pdf>



Planned New Features

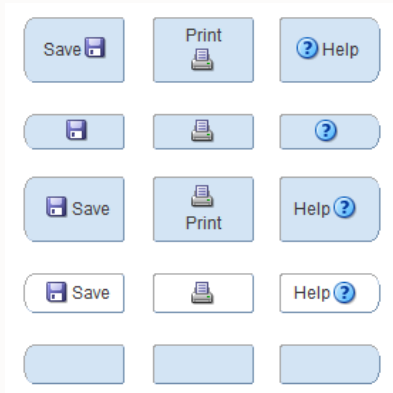
- Runtime UI
- Forms Standalone Launcher
- Builder
- Installation/Configuration
- New Oracle Java (JDK) support
- New Database embedded client (RSF)
- Many others...



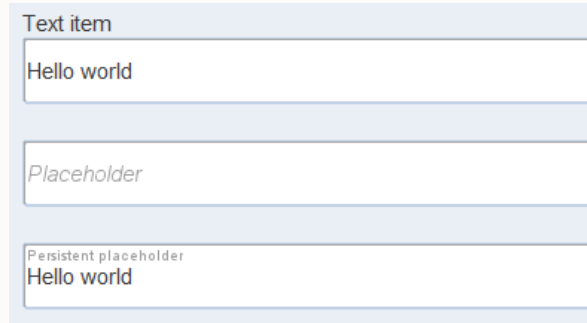
Sneak Peak at UI



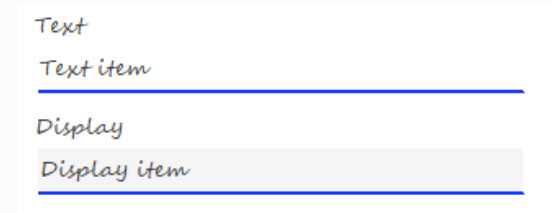
New button properties



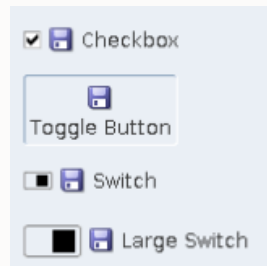
New text item properties



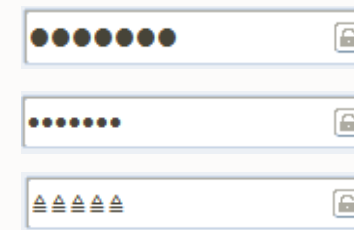
Local font support



New Boolean visualizations



Customize Concealed Data Font



Forms 2023 Events



September 28 (ODTUG/AuraPlayer) - Webinar

Oracle Forms: What's Now and What's Next

<https://www.odtug.com/online-education>

October 10 (NYOUG) - Webinar

Life After Oracle Forms 12c

<https://nyoug.org/event/life-after-oracle-forms-12c>

November 21 (DOAG) - In person conference (Germany)

Why Do I Need Oracle Forms

Life After Oracle Forms 12c

Q&A: Oracle's Michael Ferrante talking to Forms customers and developers

<https://en.shop.doag.org/events/anwenderkonferenz/2023/agenda/#eventDay.all#textS>





Q&A



Thank you

Michael Ferrante

Senior Principal Product Manager
Application Development Tools

Oracle

X (aka Twitter): @OracleFormsPM



ORACLE

Our mission is to help people see
data in new ways, discover insights,
unlock endless possibilities.

