



Oracle Forms Life After 12c

The evolution continues with Forms 14c

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Safe harbor statement

This presentation is intended to outline our general product direction. It is intended for informational purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, timing, and pricing of any features or functionality described for Oracle's products may change and remains at the sole discretion of Oracle Corporation.

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Agenda

1. Years in the Making
2. Next in the Evolution
3. What You Need To Know
4. Event Schedule
5. Q & A





Years in the Making

Block/Character mode



Client-Server & Character mode



Web, Client-Server, & Character mode



Web only (three tier)



In the Beginning

Oracle Forms Runtime - [WINDOW1]

Action Edit Query Block Record Field Window Help

Deptno Dname

Empno	Ename	Job	Mgr	Hiredate
7782	CLARK	MANAGER	7839	16-SEP-1980
7839	KING	PRESIDENT		17-NOV-1981
7934	MILLER	CLERK	7782	23-JAN-1982
8522	ZIPPER	NONE	7839	03-JAN-2004
8623	SMITH 1	NONE	7839	01-JUN-2005
8624	SMITH 2	NONE	7839	14-JUN-2005
8625	SMITH 3	NONE	7839	15-JUN-2005
8626	SMITH4	NONE	7839	31-AUG-2006

Total salary

Record: 1/?

Oracle Fusion Middleware Forms Services

Action Edit Query Block Record Field Help Window

Deptno Dname

Empno	Ename	Job	Mgr	Hiredate
7839	ELLISON	PRESIDENT		17-NOV-1977
7782	CLARK	ACCOUNTANT	7839	09-JUN-1981
7934	MILLER	CLERK	7782	23-JAN-1982
8000	ANDERSON	ADMIN	7839	05-AUG-2022
9989	SANS	PAYABLE	7839	01-JAN-2020
9990	DAVIS	RECORDS	7839	02-AUG-2018
9991	HALEN	ADMIN	9876	07-SEP-2021
9992	JACK	RECEIVABLE	9876	01-JAN-2021

Total salary

Record: 1/?

Oracle Fusion Middleware Forms Services

Action Edit Query Block Record Field Help Window

Deptno Dname Loc

Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
7839	ELLISON	PRESIDENT		17-NOV-1977	9000	8800	10
7782	CLARK	ACCOUNTANT	7839	09-JUN-1981	2450	120	10
7934	MILLER	CLERK	7782	23-JAN-1982	1300	200	10
8000	ANDERSON	ADMIN	7839	05-AUG-2022	450.91	500	10
9989	SANS	PAYABLE	7839	01-JAN-2020	1894.05	500	10
9990	DAVIS	RECORDS	7839	02-AUG-2018	1234.56	1000	10
9991	HALEN	ADMIN	9876	07-SEP-2021	4500	500	10
9992	JACK	RECEIVABLE	9876	01-JAN-2021	900.51	300	10

Total salaries \$26013.03

Record: 1/?



Oracle Forms 12c Family

- **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**
 - Improvements and new features. Bug fixes.
- **12.2.1.19 released 2023**
 - Improvements and new features. Bug fixes.



Oracle Forms and Reports 12.2.1.19

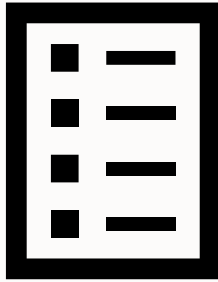
Premier Support ends December 2026

Extended Support ends December 2027

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



Source of Creativity



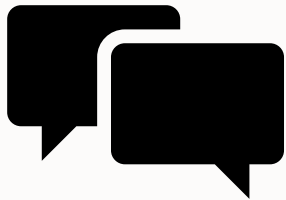
Customer Surveys



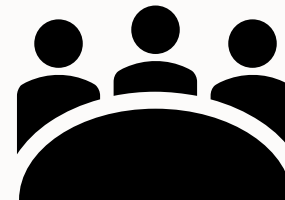
Direct Customer Feedback



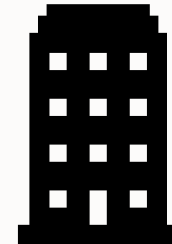
Ecosystem/Industry
Demand



Social Media



Conferences / Webinars



Stack Requirements



Forms 12.2.1 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

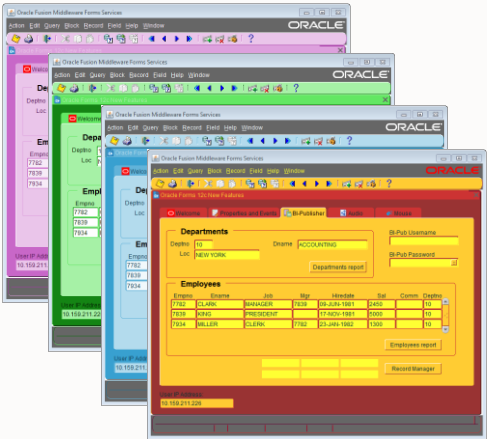


Row Banding

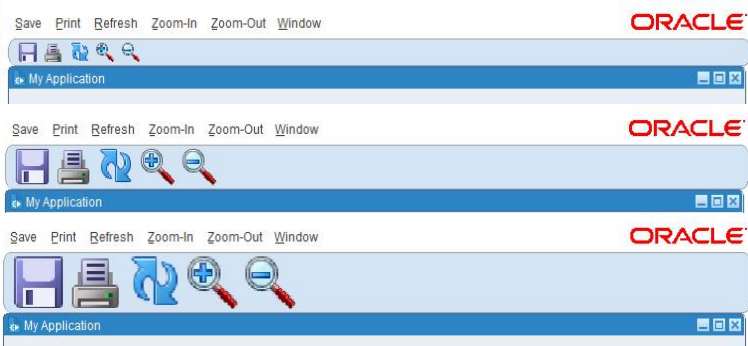
Employees							
Empno	Ename	Job	Mgr	Hiredate	Sal	Comm	Deptno
9513	ANDREWS	SALESMAN	7698	01-MAR-2016	3222	100	30
7499	ALLEN	SALESMAN	7698	20-FEB-1981	1600	300	30
7521	WARD	SALESMAN	7698	22-FEB-1981	1250	500	30
7654	MARTIN	SALESMAN	7698	28-SEP-1981	1250	1400	30
7698	BLAKE	MANAGER	7839	01-MAY-1981	2850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

Login Hints

Customizable Color Schemes



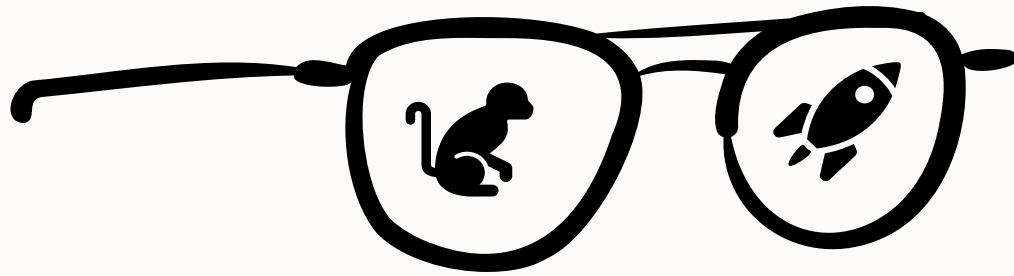
New Smart Bar Sizes



Item Level Mouse Pointers



Next in the Evolution

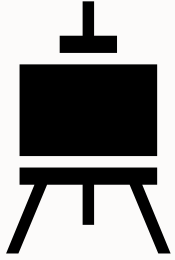


Oracle Fusion Middleware 14.1.2 with Forms and Reports

Planned for availability in 2024



Key Improvements



Runtime User Interface (UI)



Performance



Design-time Tooling



Security



Domain Configuration Options

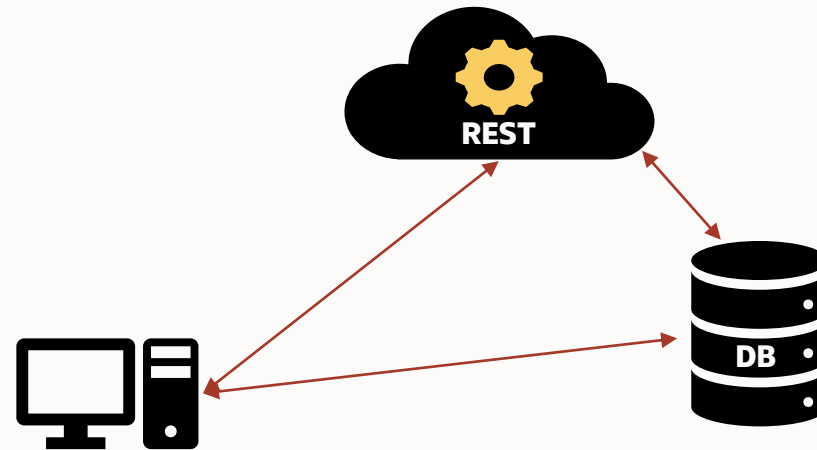


Data Handling & Integration



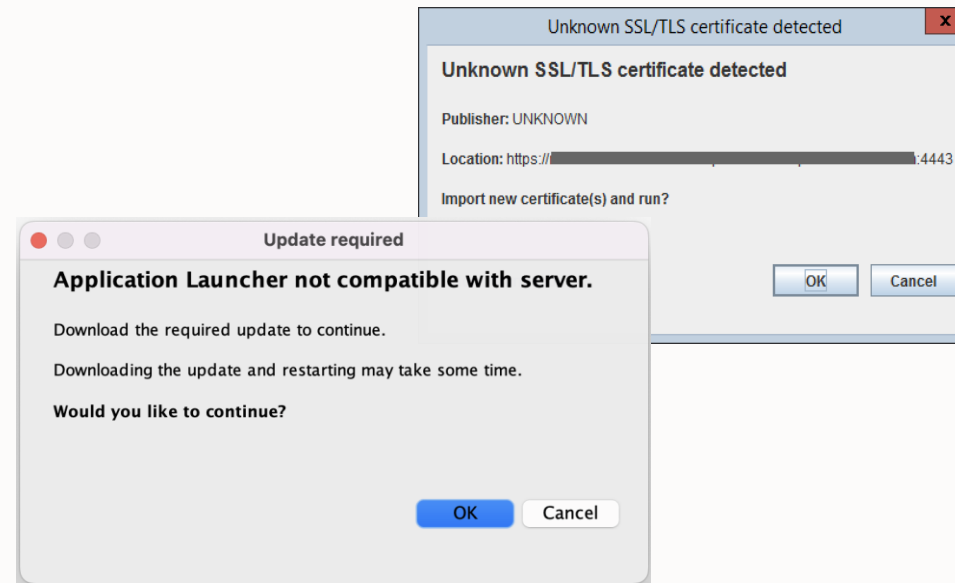
Data Handling & Integration

- Access data via REST
- Continuous Query Notifications



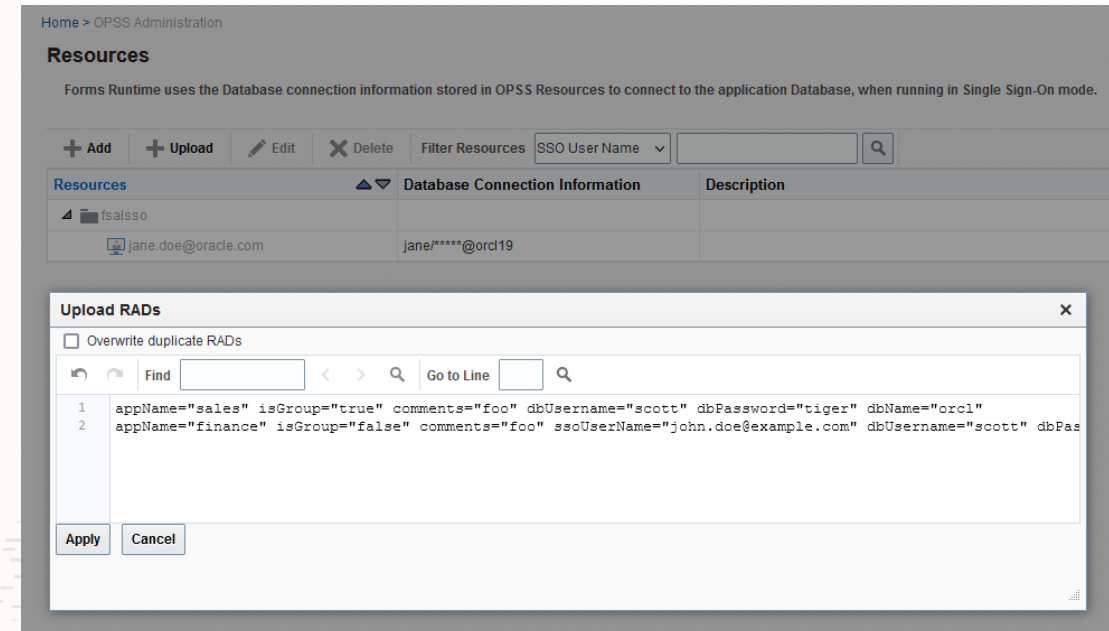
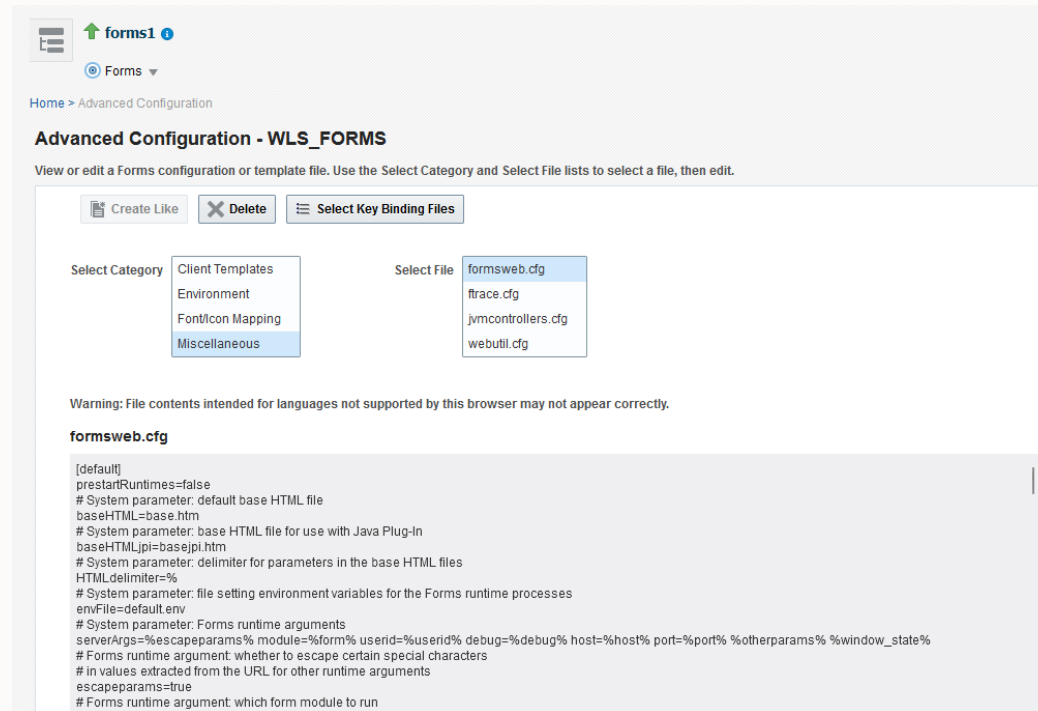
Forms Standalone Launcher (FSAL)

- Improved SSL support
- Auto-update launcher



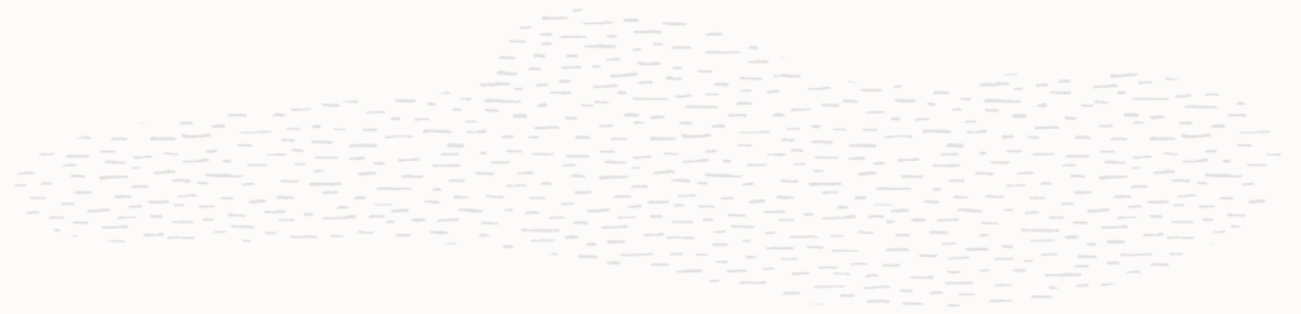
Fusion Middleware Control (FMC)

- Expose the most common configs in the Advanced Editor
- Bulk upload Resource Access Descriptors to OPSS



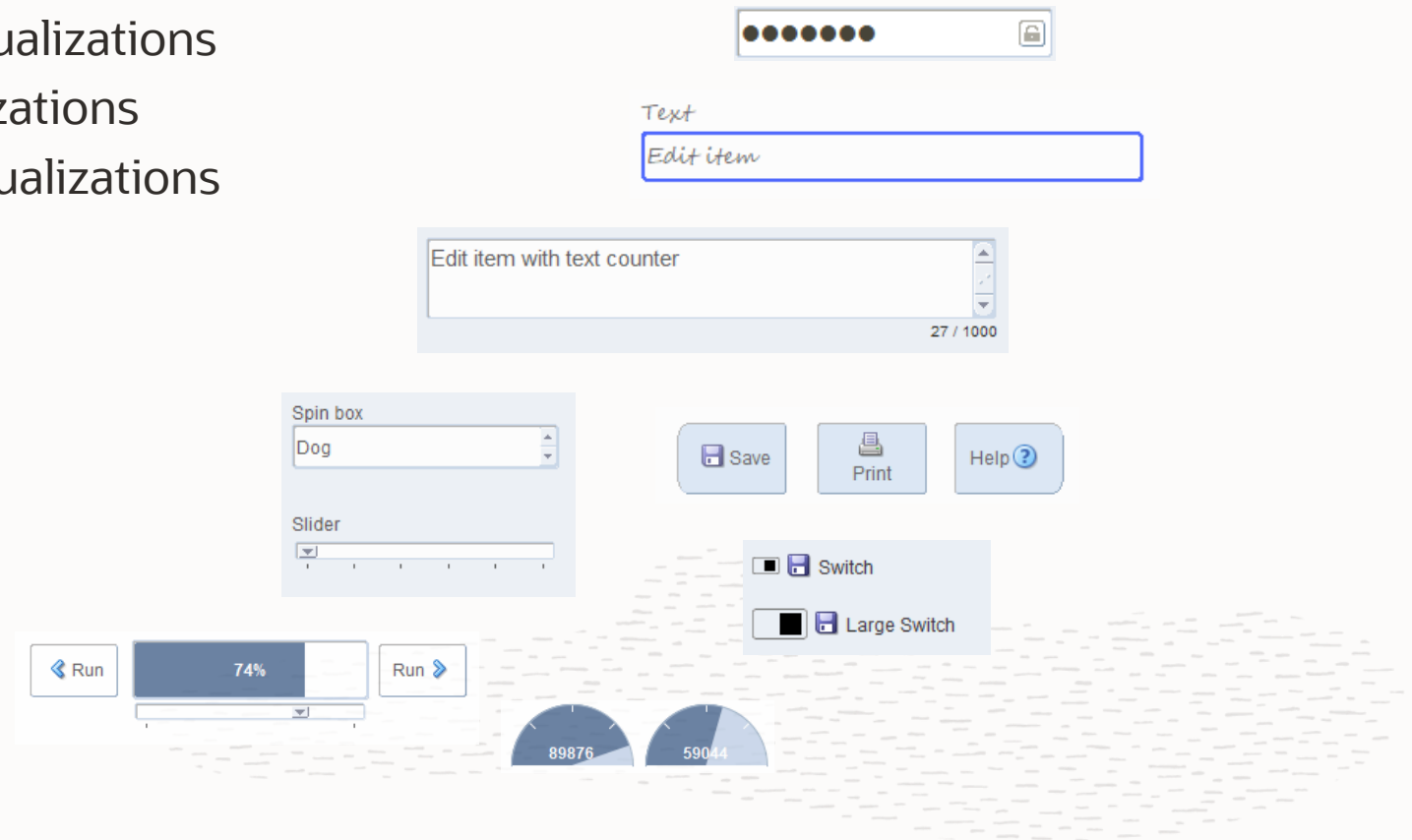
Forms Cloud Marketplace

- Oracle Linux 8 (*OL9 being reviewed*)
- Microsoft Windows (*being reviewed*)
- Updated provisioning tooling
- IDCS support – auto config utility



Runtime User Interface (UI)

- New Edit item properties
- New Display item properties and visualizations
- New List item properties and visualizations
- New Radio button and Checkbox visualizations
- New Button properties
- New Alert properties
- New Window properties
- New Canvas properties
- Client native font support
- Dynamic record creation
- Record tiling

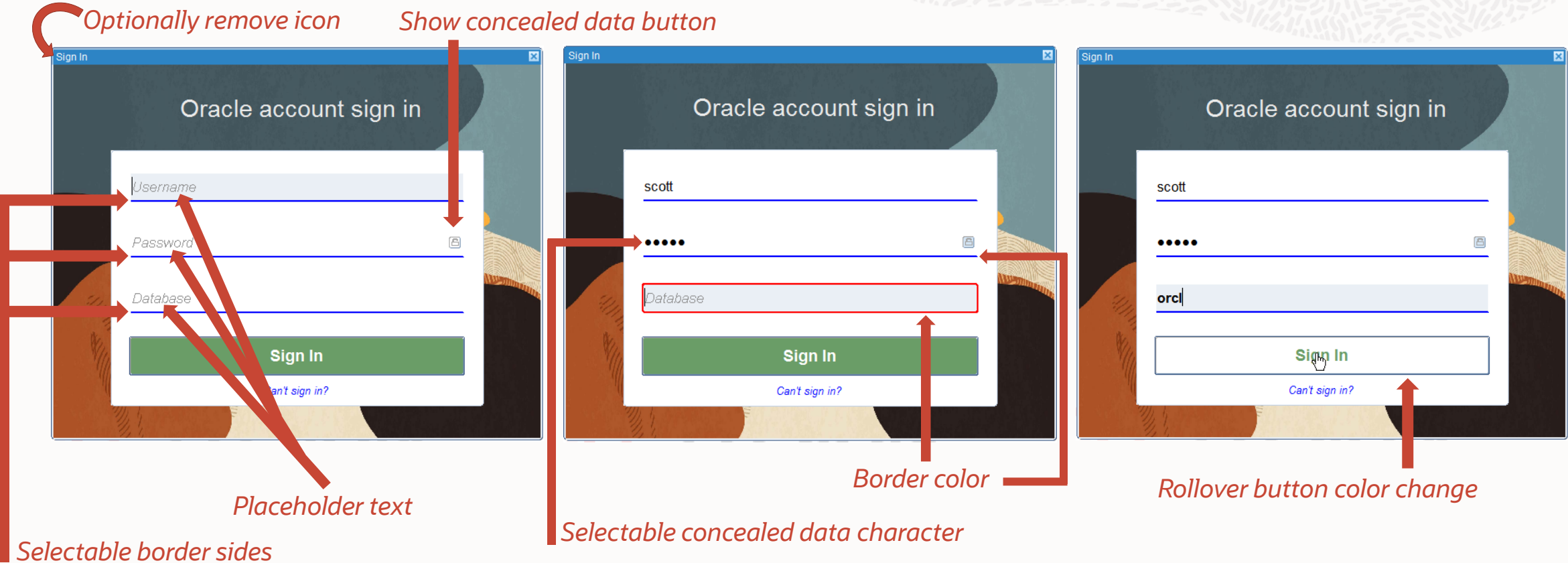


Record Tiling

<table><tbody><tr><td>Empno</td><td>Ename</td></tr><tr><td>7839</td><td>ELLISON</td></tr><tr><td>Job</td><td></td></tr><tr><td>PRESIDENT</td><td></td></tr><tr><td>Hiredate</td><td>Mgr</td><td>Deptno</td></tr><tr><td>17-NOV-1977</td><td></td><td>10</td></tr></tbody></table>	Empno	Ename	7839	ELLISON	Job		PRESIDENT		Hiredate	Mgr	Deptno	17-NOV-1977		10	<table><tbody><tr><td>Empno</td><td>Ename</td></tr><tr><td>7566</td><td>JONES</td></tr><tr><td>Job</td><td></td></tr><tr><td>MANAGER</td><td></td></tr><tr><td>Hiredate</td><td>Mgr</td><td>Deptno</td></tr><tr><td>02-APR-1981</td><td>7839</td><td>20</td></tr></tbody></table>	Empno	Ename	7566	JONES	Job		MANAGER		Hiredate	Mgr	Deptno	02-APR-1981	7839	20
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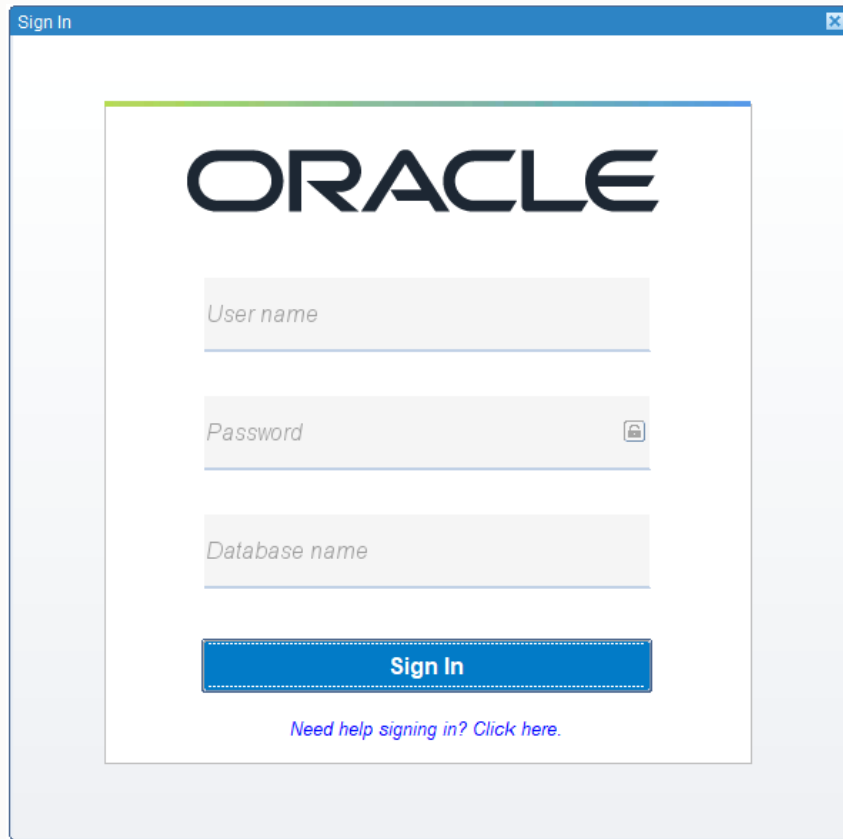
User Interface Examples



**This is a custom form and NOT the Forms' logon dialog.*



User Interface Examples



Sign In

ORACLE

User name

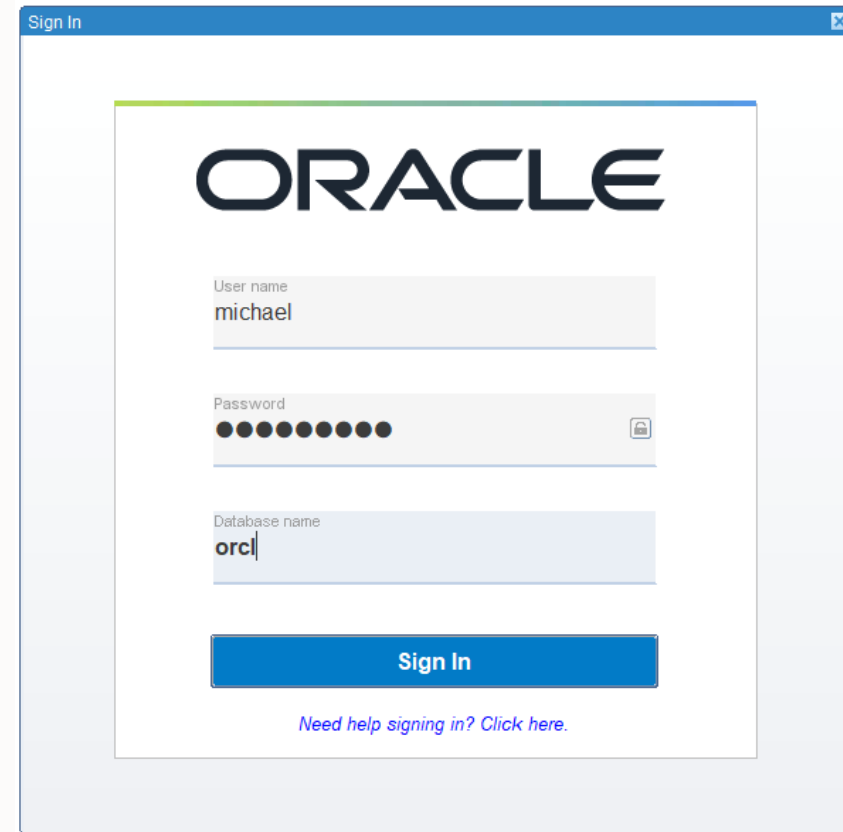
Password

Database name

Sign In

[Need help signing in? Click here.](#)

This screenshot shows the Oracle Sign In window with all input fields empty. The window has a blue title bar with 'Sign In' and a close button. The main content area is white with a blue border. The Oracle logo is at the top. Below it are three input fields: 'User name', 'Password' (with a password icon), and 'Database name'. A blue 'Sign In' button is at the bottom, followed by a link: 'Need help signing in? Click here.'



Sign In

ORACLE

User name
michael

Password
●●●●●●●●

Database name
orcl

Sign In

[Need help signing in? Click here.](#)

This screenshot shows the Oracle Sign In window with the 'User name' field filled with 'michael', the 'Password' field filled with ten black dots, and the 'Database name' field filled with 'orcl'. The 'Sign In' button and the help link are also visible.

**This is a custom form and NOT the Forms' logon dialog.*



Miscellaneous Enhancements

- Support FMW 14.1.2 components on Fusion Middleware Infrastructure 14.1.2
- Database 23 embedded client (RSF)
- Oracle Java (JDK) 17 and 21 support
- Java Virtual Threads for improved performance

<https://blogs.oracle.com/weblogicserver/post/the-promise-of-using-java-virtual-threads-with-oracle-weblogic-server>

- Fusion Middleware enhancements found in the FMW SOD

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



Forms Installation/Configuration Options

Intended for Runtime or Development

- **Full installation and full domain**
 - Ideal for enterprise environments and/or when SSO is required
 - Include full runtime and all design-time tools
 - Requires Repository DB
- **Full installation and lightweight domain**
 - Ideal for small or medium environments
 - Include lightweight runtime and all design-time tools
 - No Repository DB
 - Some runtime limitations (e.g. no SSO support)

Intended for Development

- **Full installation and limited domain**
 - Ideal for development with lightweight runtime
 - Include very lightweight runtime and all design-time tools
 - No managed servers (only Admin Server)
 - No Repository DB
 - Some runtime limitations (e.g. no SSO support)
- **Standalone Form Builder**
 - Same option as seen in v12
 - Ideal for development with a shared remote server
 - Include all design-time tools.
 - No runtime components

Oracle Reports – Currently not planning to support any of the new options



What You Need To Know



Preparing for 14c

1. Minimum FMW upgrade starting version: 12.2.1.4/12.2.1.19
2. Minimum DB version: Likely 19.x or 23.x (*to be determined*)
3. Operating System version: Many OS versions previously certified in earlier versions will no longer be certified. *Exact OSs and versions are still being reviewed.*
4. Forms Standalone Launcher or Java WebStart
5. Embedded applet (with Java Plugin) may be included, but not likely supported.



Get the Latest Information



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>



DOAG 2023 – German Oracle User Group Conference

November 21 (DOAG) - In person conference

Why Do I Need Oracle Forms

Life After Oracle Forms 12c

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

<https://my.doag.org/events/anwenderkonferenz/2023/agenda/#eventDay.all#textS#textSearch.ferrante>



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Thank you

Michael Ferrante

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