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Oracle Forms

Forms Meets Developer Cloud Service

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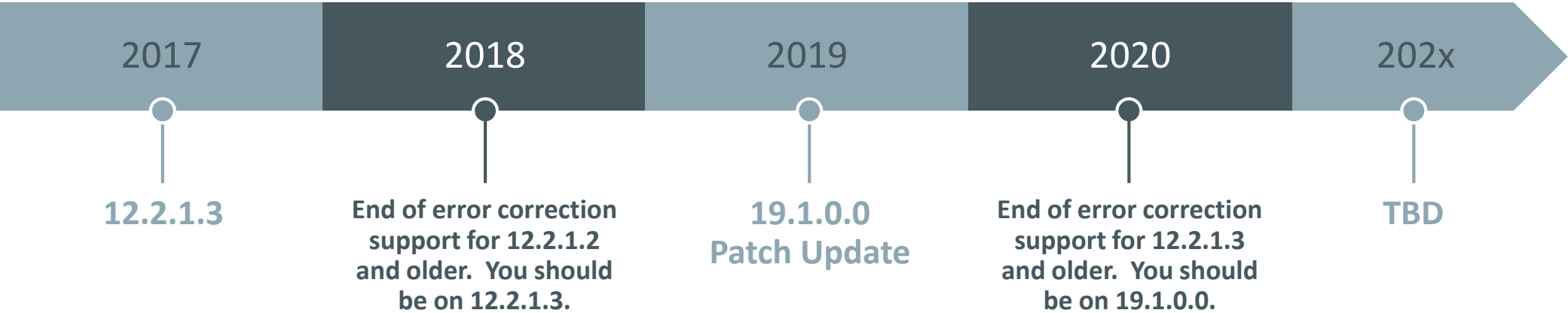
Program Agenda

- 1 ➤ Road Map
- 2 ➤ Forms Meets Developer Cloud Service
- 3 ➤ Demo
- 4 ➤ Q & A

Forms Road Map

We did it before, we'll do it again

Forms Road Map



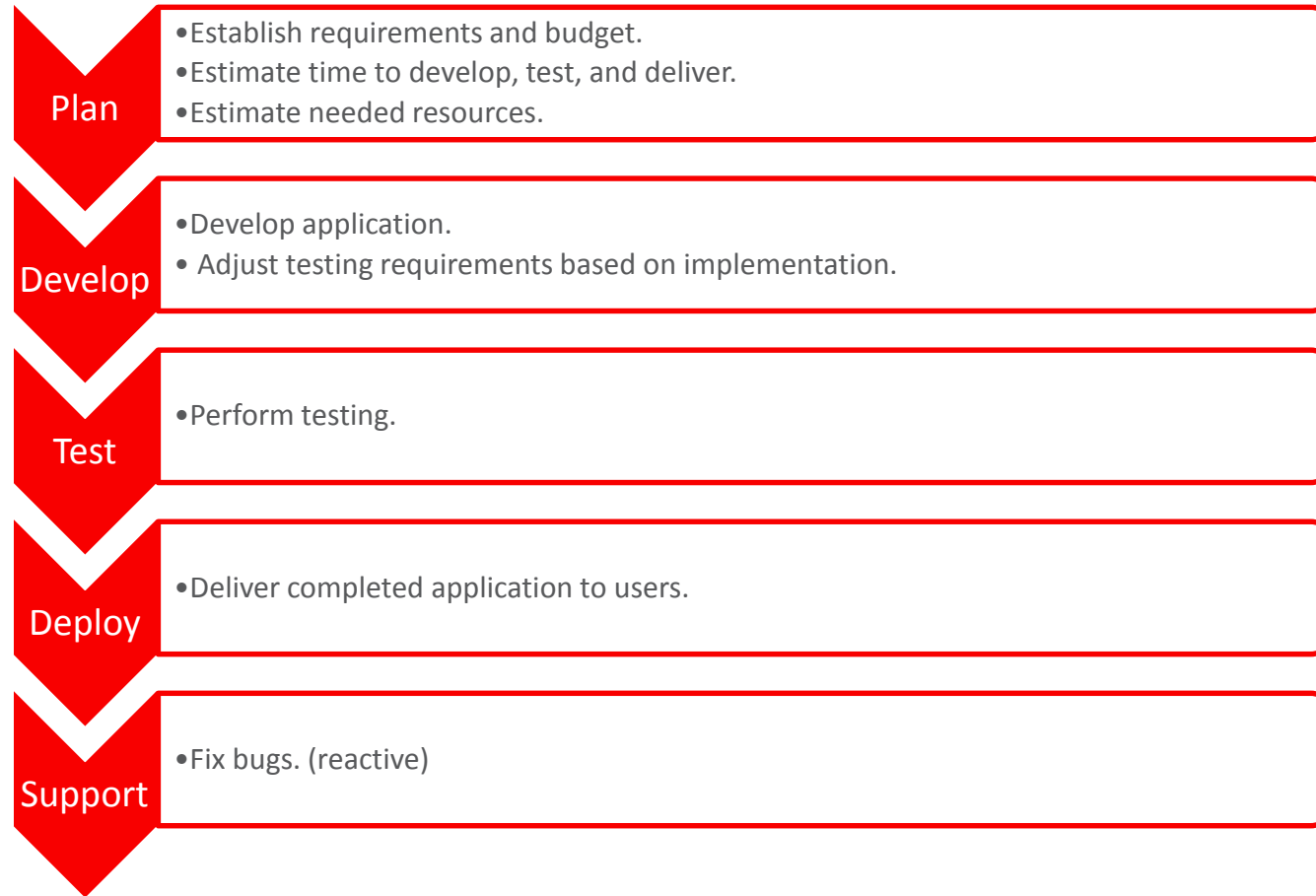
Next Release

- Planned for CY2019.
- Forms Standalone Launcher (FSAL) enhancements.
- Forms Application Deployment Services (FADS) enhancements.
- Builder enhancements.
- Improved support for 32k column size (MAX_STRING_SIZE = EXTENDED).
- Programmatic and configurable UI enhancements.
- Security enhancements.
- New Software Package for Developer Cloud Service.

Forms Meets Developer Cloud Service

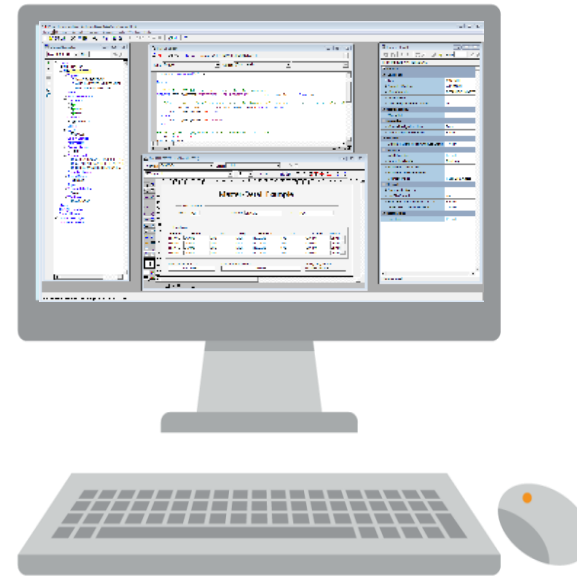
Modern DevOps for traditional applications

Traditional Forms Application Lifecycle

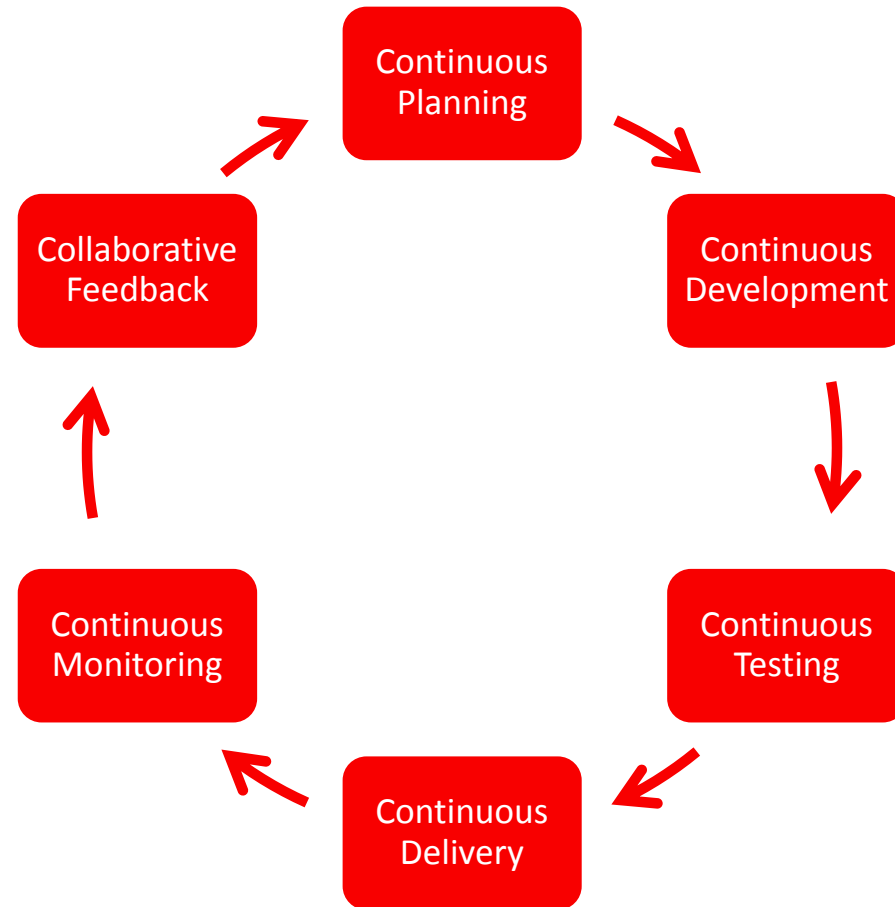


Result of Traditional Forms Development

- Application frozen in time.
- User interface becomes out-dated.
- Functional inefficiencies perpetuate.
- Bug fixes delivered at unpredictable times.
- Unhappy users.



Modern DevOps



Result of Modern Development

- Application stays aligned with latest business requirements.
- Bug fixes delivered on a predictable cycle.
- Application improvements delivered on a predictable cycle.
- User Interface updated on a predictable cycle.
- User experience updated on a predictable cycle.
- Happy users are efficient and effective users.

Developer Cloud Service (DCS)

Streamline Team Development and Software Delivery

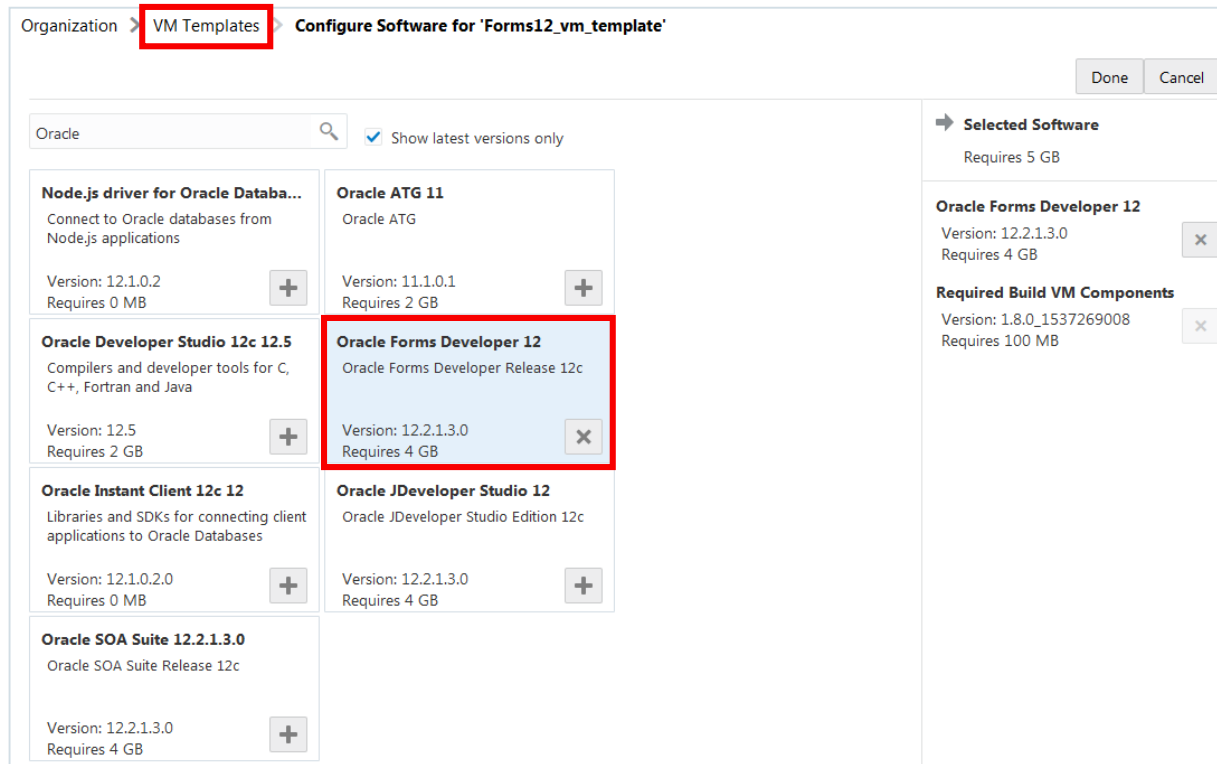
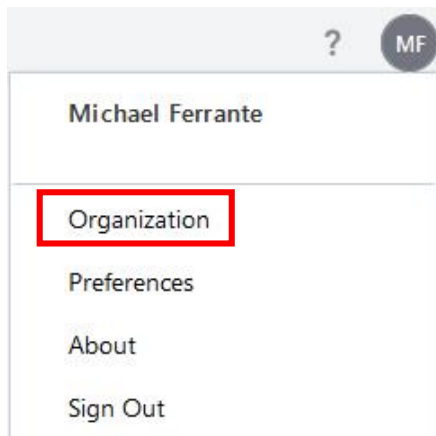
Hosted team development and delivery platform including issue tracking, code versioning, wiki, agile-development tools, continuous integration and delivery automation.

https://cloud.oracle.com/developer_service



Forms 12.2.1.3 Integration with DCS

- Provide a special Forms installation available as a DCS “software package”.
 - Includes Forms Generator, XML Converter, and FADS-CLI








Creating a New DCS Project

New Project

< Back Details **2** Template Properties Next >

Template

Optionally create your project from a template to clone its settings, including any git repository content and build jobs.

-  **Empty Project**
Create a project with no preconfigured settings or content.
-  **Initial Repository**
Create a project with initial repository (empty, with readme.md file or imported).
-  **Import Project**
Create a project from exported project data stored in Cloud Storage.
-  **Private Template**
Create a project from private template using its Private Key.
-  **Oracle Forms 12c Build and Deploy** Public template
A project that can be used to do test builds of an Oracle Forms 12.2.1.3.0 application and then deploy it to a remote server that is running Forms Application Deployment Services (FADS).

Forms Integration with DCS

- Provide sample Build Jobs to show how to use the Forms software package.
 - Jobs and their scripts are provided as *samples* only and can be easily customized.
 - Compile and Package
 - Performs a test compilation of all application modules. Optionally builds FADS application archive (FAR).
 - Deploy FAR File
 - Using the FAR file created from a successful “Compile and Package” Job, the application will be deployed to a desired target server. The target server can be anywhere as long as FADS of the same version is running on that server and is accessible from DCS.
- Jobs can be easily linked using Pipelines, resulting in a full automation.
- Bugs can be tracked using “Issue” tracking.

DCS Project

The screenshot shows the Oracle Developer Cloud Service (DCS) interface. At the top, the Oracle logo and 'Developer Cloud Service' are visible. The page title is 'OracleForms_12.2.1.3_Sample_Project | Summary'. A search bar for activities is present. The left sidebar contains navigation options: Project, Code, Maven, Environments, Releases, Snippets, Merge Requests, Issues, Agile, Build, Deploy, Docker Registry, Wiki, and Administration. The main content area is divided into several sections:

- ENVIRONMENTS:** A card titled 'Create Your First Environment' with a 'Create Environment' button and a link to 'Learn about environments'.
- RECENT ACTIVITIES - 1 WEEK AGO:** A list of activities with timestamps:
 - Data export job 546 succeeded (September 19, 2018 4:13 PM -0400)
 - Michael Ferrante started data export job 546 (September 19, 2018 4:09 PM -0400)
 - Data export job 544 succeeded (September 19, 2018 3:37 PM -0400)
 - Michael Ferrante started data export job 544 (September 19, 2018 3:33 PM -0400)
 - Data export job 521 succeeded (September 18, 2018 7:04 PM -0400)
- Oracle Code One:** A promotional banner for the 'Code for the Future' conference.
- REPOSITORIES:** A section with a '+ New Repository' button and a search filter for Git repositories. It lists two repositories:
 - oracleforms-12-2-1-3-sample-project.git:** A Git repository with an HTTP URL: `https://michael.ferrante%40orad`.
 - Maven:** A Maven repository with an HTTP URL: `https://adevcs-vbauto1.develope`.
- Docker:** A section stating 'No external docker registries linked to this project.'

DCS – Forms Sample Jobs

The screenshot shows the Oracle Developer Cloud Service (DCS) interface for Oracle Forms 12c. The top navigation bar includes the Oracle logo, 'Developer Cloud Service', a help icon, and a user profile icon. Below this is a blue header with 'Oracle Forms 12c build and deploy' and a 'Build' dropdown menu. A search bar labeled 'Search Jobs' is on the right. The main content area is divided into two panels: 'Build Queue' on the left, which shows 'No build in progress' and a 'View Recent Build History' link, and 'Job Statistics' on the right, which shows 'No data available'. Below these panels are tabs for 'Jobs' and 'Pipelines'. The 'Jobs' tab is active, showing a '+ New Job' button and a table of jobs. The table has columns for Status, Weather, Job, Last Success, Last Failed, Duration, and Actions. Two jobs are listed: 'Compile_and_Package' and 'Deploy_FAR_file', both with a status of 'N/A' and a duration of '0 ms'. The Actions column contains icons for play, settings, list, and delete.

ORACLE® Developer Cloud Service

Oracle Forms 12c build and deploy ▾ | Build

Search Jobs

Build Queue
No build in progress

View Recent Build History

Job Statistics
No data available

Jobs Pipelines

+ New Job

All Jobs Successful Jobs Failed Jobs Test Failed Jobs

Status	Weather	Job	Last Success	Last Failed	Duration	Actions
🕒		Compile_and_Package	N/A	N/A	0 ms	▶ ⚙️ 📄 ✖️
🕒		Deploy_FAR_file	N/A	N/A	0 ms	▶ ⚙️ 📄 ✖️



Custom Forms Jobs

ORACLE Developer Cloud Service

Forms ▾ | Build Search Jobs...

Build Queue

[View Build History](#)

Job Statistics

Status	Percentage
Success	60%
Failed	20%
Pending	20%

[+ New Job](#) [All Jobs](#) [All Successful Jobs](#) [All Failed Jobs](#) [All Unstable Jobs](#)

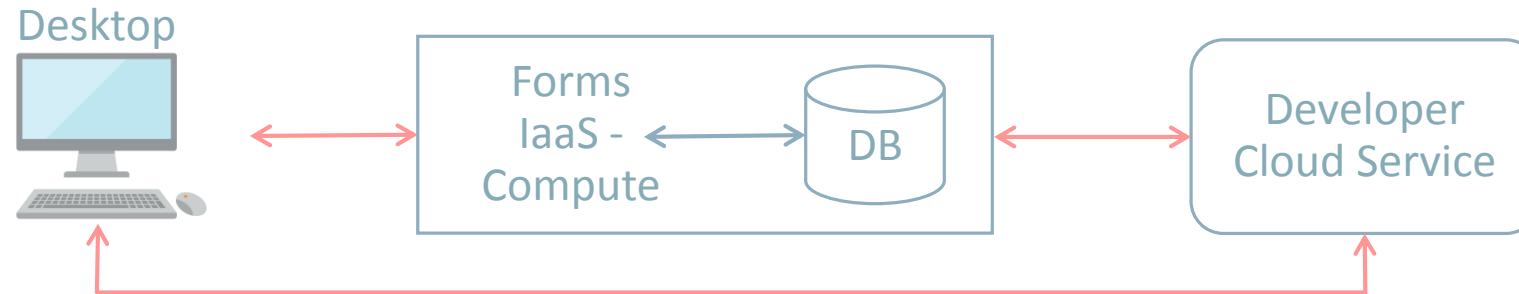
Status	Weather	Job	Last Success	Last Failure	Duration	Actions
✓	☀️	compile_forms	January 23, 2018 12:42 PM -0500	January 18, 2018 1:56 PM -0500	1 min 59 s	📄 ⚙️ 🔧
✓	☀️	demo_forms_utilities	January 23, 2018 2:13 PM -0500	N/A	754 ms	📄 ⚙️ 🔧
✗	☁️	Deploy_FAR_file	January 23, 2018 11:35 AM -0500	January 23, 2018 12:51 PM -0500	595 ms	📄 ⚙️ 🔧
✓	☀️	git_test	December 14, 2017 5:36 PM -0500	December 14, 2017 5:35 PM -0500	26 s 819 ms	📄 ⚙️ 🔧

Customizing a Job

The screenshot displays the Oracle Developer Cloud Service interface for configuring a job. The breadcrumb navigation shows 'Jobs Overview > Compile_and_Package > Configure'. The 'Job Configuration' section includes 'Save' and 'Cancel' buttons. The 'Builders' tab is active, showing a 'Configure Builders' section with an 'Add Builder' button. A 'Unix Shell Builder' configuration is shown with a script:

```
Script: 1 #!/bin/bash
2 export ORACLE_HOME=/data/Oracle/FormBuilder_12.2.1.3.0
3 export TERM=vt220
4 export PATH=$ORACLE_HOME/instances/forms1/bin:$PATH
5 export FORMS_API_TK_BYPASS=TRUE
6
7 # Deleting .devcs_processed and .devcs_failed so we start fresh
8 rm -rf $WORKSPACE/.devcs_processed
9 rm -rf $WORKSPACE/.devcs_failed
10 # Remove any .far files that might have been left over from the pre
11 rm -rf $WORKSPACE/*.far
12
```

The Circle of Life



- Developer checks code/modules in/out via Git in local repository.
- When changes are complete, developer syncs local Git with DCS repository.
- When triggered, DCS will run Build test and Deploy to target server.
- Application available for use by users.

Demo

Forms in Developer Cloud Service

Contact and Community Information

- Oracle Forms on Oracle Technology Network
oracle.com/technetwork/developer-tools/forms
- Oracle Technology Network Forms Forum
community.oracle.com/community/development_tools/forms
- Oracle Support
support.oracle.com
- Follow us on Twitter
 @OracleFormsPM

Integrated Cloud

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