

Integration with Apwide Golive



Xray provides powerful capabilities for analysis of test results and coverage on a per environment basis, allowing users to easily understand how tests and requirements are on specific target environments.

However, Xray is somehow limited on the management capabilities of Test Environments; they are created similar to labels and they're available to all your Jira projects. You may require more advanced management capabilities for your Test Environments. Fortunately, there is [Apwide Golive](#) (previously known as "Apwide Test Environment Manager") which complements Xray built-in features, allowing you to fully manage Test Environments, their availability amongst other.

On Xray screens, the QA team knows as soon as an Environment becomes unstable or when the wrong version of an application is deployed. Efficiency increases with clickable links to access the Environments and the possibility to book dedicated Environments for test campaigns.

Test Executions and Test Plans are now planned on a Timeline with drag-and-drop and Xray issues dates are automatically updated. Jira filters can be used to obtain a real-time list of bugs that can be tested on a specific environment, taking into consideration the deployed version and the environment status. You can also easily understand how tests and requirements are faring on specific target environments.

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Brief overview of Apwide's Features

Apwide Golive is a complete Test Environments management solution.

A Test Environment is composed by the definition of an "application" and a "category".

An "application" is an abstraction of some generic application entity; it's not exactly a "JIRA project", although it may be bound to the versions of some given project. An environment "category" defines the purpose of the Test Environment. More information on the core concepts [here](#).

Some of Apwide Golive features include:

- ability to manage Test Environments
 - create/edit/remove
 - manage the status of a Test Environment
 - manage the deployed application version on a Test Environment
- Environment Roles (i.e. permissions per team)
- track the historical status changes (e.g. the availability) of a Test Environment
- track the deployed versions through time on a Test Environment
- plan custom events, and Jira issues, on Test Environments using the Timeline
- subscribe to changes on Test Environments



Please note

If you have further questions concerning Apwide Golive app, please contact their team [here](#).

Features and Limitations

The current integration with Xray allows you to:

- visualize and manage Test Executions planning dates (begin & end date) in the Timeline page; it's possible also to manage Test Plans, as long as you also assign Test Environments to them;
- use (exclusively or complementarily) the Test Environments managed by Apwide Golive whenever creating Test Executions;
- assess information related with Test Environments, such as its current status, right in the screens where Test Environments may be present (e.g. reports, Test Execution issue screen).

As limitations, please consider that:

- all information shown about a Test Environment is always the current one; in other words, if you look at the Test Environment information on a Test Run or in a Test Execution, you are not looking at the information at the time that entity was created/run; you're always looking at the current information about that Test Environment.

Installation

In order to use the new extenders that Xray provides, you need to:

1. Install Xray version 3.2.0 or above;
2. Install [Apwide Golive](#) version 6.2.0 or above;
3. Install [Apwide Xray-Integration](#) version 1.2.4 or above;



Learn more

Please see the installation tutorial in video below.

Configuration

The configuration is managed in "Apwide Xray-Integration" app settings.

The integration needs to be explicitly enabled; it's also possible to enforce the usage of Apwide only based Test Environments.

Administration

Search JIRA admin

Applications

Projects

Issues

Add-ons

User management

System

Structure

ATLASSIAN MARKETPLACE

Find new apps

Manage apps

APWIDE

Configure Projects

Application Schemes

Environment Categories

Environment Status

Applications

Environments

Environment Properties

Attributes

Teams

Roles

Permission Schemes

APWIDE XRAY INTEGRATION

Configure

Apwide Xray Integration (1.2.4)

Statutes of required applications



ENABLED (6.2.2-JIRA7)
Apwide brings Test Environment Management into Jira to boost your software delivery with automation, smart release plans and better teamwork.
[Install or upgrade to latest version of Apwide](#)



ENABLED (3.2.0)
Xray is #1 Manual & Automated Test Management App for QA in Jira. Test Case Management, Software Testing and Quality Assurance in Jira.
[Install or upgrade to latest version of Xray](#)

Integration settings

☒ Integration enabled
Display Apwide environments data in Xray Test Environment fields.

☐ Apwide environments only
Check this option to use only existing Apwide environments when setting values of an Xray Test Environment field.

Save Settings

Use cases

Assign a Test Environment from Apwide in Test Executions

Whenever creating a Test Execution, or whenever editing an existing one, you can specify a Test Environment being managed by Apwide Golive.

Depending on the Apwide Xray-Integration configuration, you may be limited or not to use just Test Environments from Apwide.

The screenshot shows a Jira interface for a project named 'Calculator' with ID 'CALC-2749'. A modal titled 'Create new test execution for tests in test plan CALC-2749' is open. The modal contains the following fields:

- Project:** Calculator (dropdown)
- Summary:** Test Execution for Test Plan CALC-2749
- Assignee:** Administrator (dropdown)
- Priority:** Blocker (dropdown)
- Fix Version/s:** v3.0 (dropdown)
- Test Environments:** c (dropdown)
- Revision:** (empty field)

Below the 'Test Environments' dropdown, a 'Suggestions' list is visible, containing the following items:

- Calculator Demo (Apwide)
- Calculator PreProd (Apwide)
- Calculator Production (Apwide)
- Calculator Staging (Apwide)
- chrome
- c (New Label)

The 'Calculator Demo (Apwide)' item is highlighted with a red border. In the background, the Jira issue details for 'CALC-2749' are visible, showing a 'Test Plan Board' and 'Overall Execution Status' with 2 PASS and 1 FAIL.

The screenshot shows the Jira issue page for 'Test Execution for Test Plan CALC-2749'. The issue is in the 'RESOLVED' state. The 'Details' section shows the following information:

- Type:** Test Execution
- Priority:** Blocker
- Affects Version/s:** None
- Component/s:** None
- Labels:** None
- Status:** RESOLVED (View Workflow)
- Resolution:** Fixed
- Fix Version/s:** v3.0

The 'Test Environments' field is set to 'Calculator_Staging'. Below it, a 'Suggestions' list is visible, containing the following items:

- Android
- AndroidX
- Calculator Demo (Apwide)
- Calculator PreProd (Apwide)
- Calculator Production (Apwide)

The 'Calculator Demo (Apwide)' item is highlighted with a red border. The 'Description' field is empty, and the 'Tests' section is also empty.

Assess in loco Test Environment information

It's possible to display current/actual information about a given Test Environment in different places.

1. In Test Execution issue screen



E-commerce platform / ECP-212

UAT July Release

Edit

Comment

Assign

More

Testing

Admin

Share

Export

Details

Type: Test Execution

Priority: Major

Affects Version/s: ECOM 3.7

Labels: NRT SummerRelease

Test Plan: ECP-213

Test Environments: PAYMENT STAGING ECOMMERCE STAGING

Status: IN PROGRESS (View Workflow)

Resolution: Unresolved

Fix Version/s: None

People

Assignee: Daenerys Targaryen

Reporter: Jon Snow

Votes: 0

Watchers: 2

Description

Perform a full NRT on the new version of our

Tests

Overall Execution Status

2 PASS 1 FAIL 2 EXECUTING

Total Tests: 10

FILTERS

Test Set Assignee

All All

Key Summary

1 ECP-85 Live chat

eCommerce Staging

Events: show timeline

Status: Up

Application: eCommerce

URL: https://ecom-stg.apwide.c...

Description: STG environment of our new E-commerce platform.

Attributes

servers: 8

Console: https://admin.apwide.com

CPU: Intel Xeon Gold 6154 @ 3.00GHz

Credentials: Eckinox / ER%egs67

Database: Oracle 12.2

Location: Swiss datacenter

OS: Ubuntu 17.10

Owner: support@apwide.com

Team: Red team

Deployments

Status Changes

Version	Deployed	By
ECOM 3.6	2018-10-02 15:15	admin
ECOM 3.5	2018-06-06 07:49	dberclaz
ECOM 1.2.4	2018-04-20 14:41	admin
ECOM 2.1	2018-03-28 12:21	admin

Y 6.0 ECOM 3.7

Y 5.2 ECOM 3.2

OM

YMENT

Y 5.3 ECOM 3.6

Y 5.2 ECOM 2.0

2. In the Test Runs section, in the Test issue screen

Test Runs

Execute In

FILTERS

Project Version (project dependent) Status Start End

All Projects Select a project to enable DD-MM-YYYY HH:MM DD-MM-YYYY HH:MM Clear

Show 10 entries

Columns

Key Fix Version/s Revision Executed By Started Finished Defects Test Environments Status

ECP-301		Thomas Anderson	7 minutes ago				ECOMMERCE STAGING	EXECUTING
ECP-212		David Berclaz	08/06/2018 10:43	08/06/2018 10:43				
ECP-101	ECOM 3.5		23/03/2018 13:33					
ECP-106	ECOM 3.5		14/03/2018 09:53					
ECP-102		Thomas Anderson	10/03/2018 15:58					
ECP-100	ECOM 3.2	Thomas Anderson	09/03/2018 13:20	09/03/2018 20:36				
ECP-91	ECOM 2.1		06/03/2018 13:11					
ECP-299								
ECP-216								
ECP-205								

Showing 1 to 10 of 10 entries

eCommerce Staging

Events: show timeline

Status: Up

Application: eCommerce

URL: https://ecom-stg.apwide.c...

Description: STG environment of our new E-commerce platform.

Attributes

servers: 8

Console: https://admin.apwide.com

CPU: Intel Xeon Gold 6154 @ 3.00GHz

Credentials: Eckinox / ER%egs67

Database: Oracle 12.2

Location: Swiss datacenter

OS: Ubuntu 17.10

Owner: support@apwide.com

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Status Changes

Version	Deployed	By
ECOM 3.6	2018-10-02 15:15	admin
ECOM 3.5	2018-06-06 07:49	dberclaz
ECOM 1.2.4	2018-04-20 14:41	admin
ECOM 2.1	2018-03-28 12:21	admin

3. In the reports

Test Executions Report [Switch report](#) ▾

Filters ▾ [How to read this report](#)

							Tests By Status				
TE Key	Summary	Version	Test Environments	Planned start date	Planned end date	Total Tests	PASS	TODO	EXECUTING	FAIL	AI
ECP-301	UAT October Release	ECOMMERCE STAGING		2018-10-02	2018-10-10	4	0	3	1	0	
ECP-299	UAT October Release								0	0	
ECP-293	NRT 3.5								0	0	
ECP-277	Ad-hoc execution for ECP-85								0	0	
ECP-276	Ad-hoc execution for ECP-85								0	0	
ECP-275	Ad-hoc execution for ECP-85								0	0	
ECP-274	Ad-hoc execution for ECP-85								0	0	
ECP-272	Ad-hoc execution for ECP-85								0	0	
ECP-255	UAT in Staging								0	0	
ECP-251	UAT September Release								0	0	
ECP-216	New NRT								0	0	
ECP-212	UAT July Release	PAYMENT STAGING	ECOMMERCE STAGING	2018-07-23	2018-07-26	10	2	5	2	1	

eCommerce Staging

Events: [show timeline](#) URL: <https://ecom-stg.apwide.com>

Status: Up Description: STG environment of our new E-commerce platform.

Application: eCommerce

Attributes

servers: 8 Location: Swiss datacenter

Console: <https://admin.apwide.com> OS: Ubuntu 17.10

CPU: Intel Xeon Gold 6154 @ 3.00GHz Owner: support@apwide.com

Credentials: Eckinox / ER%egs67 Team: Red team

Database: Oracle 12.2

Deployments

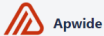
Version	Deployed	By
ECOM 3.6	2018-10-02 15:15	admin
ECOM 3.5	2018-06-06 07:49	dberclaz
ECOM 1.2.4	2018-04-20 14:41	admin
ECOM 2.1	2018-03-28 12:21	admin

Status Changes

Visualize and manage planning dates and allocation for Test Executions and/or Test Plans

Test Executions can be planned right in the Timeline view provided by Apwide Golive.

1. Add a new issues based calendar



October Release [Edited](#) [Save](#) [Details](#)

[Add Event](#) [Export](#)

New Timeline

MY TIMELINES

E-commerce Booking Requests

Global Roadmap [SHARED](#)

July Release [SHARED](#)

October Release [SHARED](#)

Our new release [SHARED](#)

Our new release 2 [SHARED](#)

September Release [SHARED](#)

SHARED TIMELINES

Jon Snow Timeline

SHORTCUTS

[Environments](#)

<< >> Today

Settings

(ctrl + scroll to zoom in/out)

October 2018 (W41)

eCommerce Dev1
ECOM 3.7

eCommerce Integration1
ECOM 3.2

eCommerce Integration2
DOWN

eCommerce Staging
ECOM 3.6

eCommerce Production
ECOM 2.0

Mon 8

Tue 9

Wed 10

Thu 11

Fri 12

Sat 13

Sun 14

Mon 15

Dev close

Security scan
SLOW

Data refresh
DOWN

Data refresh
DOWN

Deployment
ECOM 3.5 - DE

Load testing
SLOW

Go/NoGo

Calendars

Deployment

Data refresh

Security scan

Load testing

Major Release Milestones

+ Add ▾

Existing Calendars

New Standard Calendar

New Issue Calendar

☐ deployed versions

☐ status changes

Improve your Timeline

Contact us at support@apwide.com to propose new features or get support.

2. Define the name and the colour corresponding of the issues

Create new Calendar

General

Issues Mapping

Default Values

Name* Xray Testing

Choose the name of Calendar

Color*

Choose the default color of Calendar

☐ Group events of this calendar in the same row

Choose how to arrange the calendar's items on the timeline

Save

Cancel

3. Specify the JQL to define the scope for the issues

Create new Calendar

General

Issues Mapping

Default Values

Events Source* ☐ Project

☐ Filter

☒ JQL

Advanced search*

✓ project = "E-commerce platform" AND
issuetype in ("Test Execution", "Sub Test
Execution") ?

Event Start* Begin Date

Event End* End Date

Select the date fields your want to map to your event dates

Environment(s)* Test Environments (Xray)

Associated environments

Save

Cancel

4."Define the Default Values that will be pre-filled so that new Test Executions can be created using the calendar drag-and-drop (refer to the below video)

Create new Calendar

General

Issues Mapping

Default Values

Default Project

E-commerce platform (ECP)

Default project when creating a new issue on the timeline

Default Issue Type

Test Execution

Default issue type when creating a new issue on the timeline

Save

Cancel

4. You can now see the Test Executions issues in the Timeline; you can also change the planning dates by moving the left/right side edges of the issue item

Jira Software

Dashboards

Projects

Issues

Apwide

Boards

Tests

Create

Search

Apwide

July Release

SHARED

Edited

Save

...

Details

Add Event

Export

APP: eCommerce

CAT: Dev1

CAT: Staging

CAT: Production

New Timeline

MY TIMELINES

E-commerce Booking Requests

Global Roadmap

SHARED

July Release

SHARED

October Release

Our new release

SHARED

Our new release 2

SHARED

September Release

SHARED

SHARED TIMELINES

Jon Snow Timeline

SHORTCUTS

Environments

<<

>>

Today

Settings

+

-

⋮

(drag timeline)

(ctrl + scroll to zoom in/out)

	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27
eCommerce Dev1						
eCommerce Staging		Load testing SLOW				Go/NoGo
			ECP-249 test plan July Release BACKLOG			Security scan SLOW
eCommerce Production						

Calendars

Deployment

Data refresh

Xray Testing

ISSUES

Security scan

Load testing

Major Release Milestones

+ Add

(drag and drop on timeline to plan a new activity)

Logs

deployed versions

status changes

Improve your Timeline

Contact us at support@apwide.com to propose new features or get support.



Please note

It's also possible to manage Test Plans planning dates using this app, as long as you also include the Test Environments custom field in the screens associated with Test Plan issues.

You need to update the "Test Environments" custom field in Jira's "Custom Fields" administration section, so that the applicable contexts will also include the Test Plan issue type.

Default Configuration Scheme for Test Environments

Default configuration scheme generated by JIRA

Applicable contexts for scheme: [Edit Configuration](#)

Issue type(s):



Default Value: [Edit Default Value](#) None

References

- [Apwide Golive in the Marketplace](#)
- [Apwide Golive documentation](#)