

# 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.

The screenshot shows the Jira Administration interface for the "Apwide Xray Integration (1.2.4)" app. The left sidebar contains navigation links for "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), and "APWIDE XRAY INTEGRATION" (Configure). The main content area is titled "Apwide Xray Integration (1.2.4)" and includes a search bar and a "Back" button. Below the title, there is a section for "Statuses of required applications" with two entries: "ENABLED (6.2.2-JIRA7)" for Apwide and "ENABLED (3.2.0)" for XRAY. The "Integration settings" section is highlighted with a red box and contains two options: "Integration enabled" (checked) and "Apwide environments only" (unchecked). A "Save Settings" button is located at the bottom of the settings section.

Administration  Back

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)

Search JIRA admin Back

#### Statuses of required applications

	<b>ENABLED (6.2.2-JIRA7)</b> Apwide brings Test Environment Management into Jira to boost your software delivery with automation, smart release plans and better teamwork. <a href="#">Install or upgrade to latest version of Apwide</a>
	<b>ENABLED (3.2.0)</b> Xray is #1 Manual & Automated Test Management App for QA in Jira. Test Case Management, Software Testing and Quality Assurance in Jira. <a href="#">Install or upgrade to latest version of Xray</a>

#### 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.

Calculator / CALC-2749  
all my relevant tests for

Edit Comment Trigger Bamboo

**Details**

Type: Test Plan  
Priority: Major  
Affects Version/s: None  
Component/s: None  
Labels: None

**Description**  
Click to add description

**Tests**  
Test Plan Board

**Overall Execution Status**  
2 PASS 1 FAIL  
TOTAL TESTS: 3

Create new test execution for tests in test plan CALC-2749

Project: Calculator  
Summary: Test Execution for Test Plan CALC-2749  
Assignee: Administrator  
Priority: Blocker  
Fix Version/s: v3.0  
Test Environments: c  
Revision: chrome

**Suggestions**

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

Calculator / CALC-2752  
Test Execution for Test Plan CALC-2749

Edit Comment Assign More Close Issue Reopen Issue Admin

**Details**

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

Test Environments: Calculator\_Staging  
Test Plan:

**Description**  
Click to add description

**Tests**

**Suggestions**

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

## 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 Export

**Details**

Type: Test Execution Status: **IN PROGRESS** (View Workflow)  
 Priority: Major Resolution: Unresolved  
 Affects Version/s: ECOM 3.7 Fix Version/s: None  
 Labels: NRT SummerRelease  
 Test Plan: ECP-213  
 Test Environments: PAYMENT STAGING COMMERCE STAGING

**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

**eCommerce Staging**

Events: show timeline URL: https://ecom-stg.apwide.c...  
 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** 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

05/2018 23:02  
 10/2018 23:45  
 07/2018 17:00  
 07/2018 10:00

Y 6.0 ECOM 3.7  
 Y 5.2 ECOM 3.2  
 DM  
 YMENT  
 Y 5.3 ECOM 3.6  
 Y 5.2 ECOM 2.0

1 ECP-85 Live chat

## 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			COMMERCE 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 URL: https://ecom-stg.apwide.c...  
 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  
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**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

### 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		<b>ECOMMERCE STAGING</b>	2018-10-02	2018-10-10	4	0	3	1	0				
ECP-299	UAT October Release		<b>eCommerce Staging</b>						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		<b>PAYMENT STAGING</b> <b>ECOMMERCE STAGING</b>	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

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**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

Team: Red team

Credentials: Eckinox / ER%egs67

Database: Oracle 12.2

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**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

## 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

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

## Create new Calendar

General

Issues Mapping

Default Values

Name\*

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\* type in ("Test Execution", "Sub Test Execution")"/>

Event Start\*

Event End\*

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

Environment(s)\*

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

The screenshot shows the Jira Software interface for a 'July Release' project. The main view is a timeline from Sunday, July 22 to Friday, July 27. The timeline is organized into lanes for different environments: eCommerce Dev1 (ECPM 3.7), eCommerce Staging (ECPM 3.8), and eCommerce Production (ECPM 2.0). Key tasks and milestones include:

- Load testing (SLOW)**: A blue task bar spanning from Sunday, July 22 to Monday, July 23.
- ECP-249 test plan July Release (BACKLOG)**: A green task bar spanning from Monday, July 23 to Wednesday, July 25.
- Security scan (SLOW)**: A red task bar spanning from Thursday, July 26 to Friday, July 27.
- Go/NoGo**: A milestone marker on Friday, July 27.

The interface includes a left sidebar with navigation options like 'New Timeline', 'MY TIMELINES', and 'SHARED TIMELINES'. The right sidebar contains 'Calendars' (Deployment, Data refresh, Xray Testing, Security scan, Load testing, Major Release Milestones) and 'Logs' (deployed versions, status changes). A 'Create' button is visible in the top navigation bar.



#### 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](#)