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 capabilites 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   ← 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)

Statuses 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

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.

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

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 ECOMMERCE STAGING		

▾ People

Assignee:	Daenerys Targaryen
	Assign to me
Reporter:	Jon Snow
Votes:	0 Vote for this issue
Watchers:	2 Stop watching this issue

▾ Description

Perform a full NRT on the new version of our

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

▾ 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

---

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	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
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ECOM 2.1	2018-03-28 12:21	admin

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3. In the reports

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* `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 ⑦
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

> **ⓘ 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