Integration with Apwide Golive

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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



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:

 <u>all information shown about a Test Environment is always the current one;</u> 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;

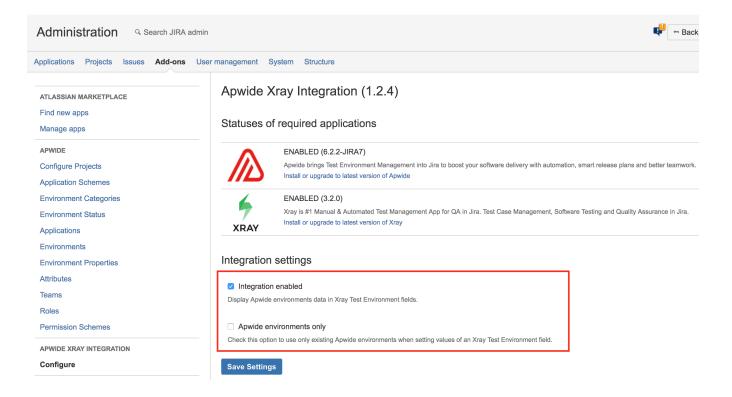
Learn more

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.

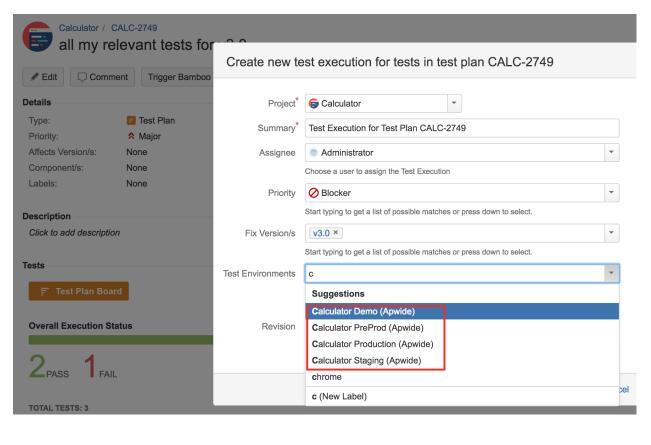


Use cases

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 / C/ Test Exec	ALC-2752 cution for Test Plan CALC	-2749		
Sedit Comme	Assign More - Close Issue	Reopen Issue	Admin -	
Details				
Туре:	Test Execution	Status:	RESOLVED (View Workflow)	
Priority:	Ø Blocker	Resolution:	Fixed	
Affects Version/s:	None	Fix Version/s:	v3.0	
Component/s:	None			
Labels:	None			
Test Environments:	Calculator_Staging ×			
Test Plan:	Suggestions			
	Android			
Description	AndroidX			
Click to add description	Calculator Demo (Apwide)			
	Calculator PreProd (Apwide)			
Tests	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

P Edit	Q Comment	t Assign	More 🗸	Testing	Admin 🗸					~	🚹 Export
Details								Y People			
Type:		📘 Test Exec	ution	S	tatus:	IN PROGRESS (V	iew Workflow)	Assignee:	🚱 Daenerys	Targary	ren
Priority:		ጵ Major			esolution:	Unresolved			Assign to me		
	/ersion/s:	ECOM 3.7			ix Version/s:	None		Reporter:	👩 Jon Snow		
Labels:		NRT 🗘 S	ummerRele	ase 🗘				Votes:	0 Vote for t	his issue	е
Test Plan	n: ironments:	ECP-213 PAYMENT ST		MMERCE STAGIN				Watchers:	 Stop wate 	hing thi	is issue
Tests	a full NRT on th			Events: Status: Application: Attributes # servers:	show timel Up eCommerce 8	ine	URL: Description: Location:	https://ecom-stg.apwide.c STG environment of our new E- commerce platform. Swiss datacenter	'10/2018 23 '07/2018 17 '07/2018 10	/:00	
2		2	NG	Console: CPU:	https://admin. Intel Xeon Gol 3.00GHz	d 6154 @	OS: Owner: Team:	Ubuntu 17.10 support@apwide.com Red team			
Total Tests	s: 10	EXECUT	NG I	Credentials: Database: Deployments	Eckinox / ER% Oracle 12.2 Status Change	-			Y 6.0 ECON Y 5.2 ECON OM	_	
 FILTER 	RS				outuo onungo				Y 5.3 ECON	13.6	
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All	-	All	-	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			
<i></i> /*											

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

✓ FILTERS										
Project		on (project ndent)	Statu	s	Sta	rt	End			
All Projects	▼ Selec	t a project to e	nable		▼ DI	D-MM-YYYY HH:MM	DD-MM-YYYY HH:MM	🗙 Clear		
Show 10 🔻 er	tries								Columns 🕶	
♦ ^{Key} ♦ ^{Fix} Vers	on/s	♦ Executed By	♦ Started	♦ Finished	Defects	Test Environments	🔶 Statu			
ECP- 301		Thomas Anderson	7 minutes ago			ECOMMERCE STAGIN	NG EX			
ECP- 212		David Berclaz	08/06/2018 10:43	08/06/2018 10:43		eCommerc	ce Staging			
ECP- 101 ECOM	3.5		23/03/2018 13:33			Events: Status:	📾 show timeline Up		URL: Description:	https://ecom-stg.apwide.c STG environment of our ne
ECP- 106 ECON	3.5		14/03/2018 09:53			Application: Attributes	eCommerce			commerce platform.
ECP- 102		Thomas Anderson	10/03/2018 15:58			# servers: Console: CPU:	8 https://admin.apw Intel Xeon Gold 6		Location: OS: Owner:	Swiss datacenter Ubuntu 17.10 support@apwide.com
ECP- 100 ECOM	3.2	Thomas Anderson	09/03/2018 13:20	09/03/2018 20:36		Credentials: Database:	3.00GHz Eckinox / ER%egs Oracle 12.2	57	Team:	Red team
ECP- 91 ECOM	2.1		06/03/2018 13:11			Deployment	s Status Changes			
ECP- 299						Version	D	eployed		Ву
ECP- 216						ECOM 3.6		018-10-02 15:15		admin
ECP-						ECOM 3.5 ECOM 1.2.4)18-06-06 07:49)18-04-20 14:41		dberclaz

Test Executions Report Switch report ~

												Tests By	Statu	IS
TE Key	Summary	Version	Test Environments			Planned start date	Plann end d		Total Tests	PASS	TODO			FAIL
ECP- 301	UAT October Release		ECOMMERCE STAGIN	IG		2018-10-	2018		4	0	3		1	0
ECP- 299	UAT October Release		eCommerce	e Staging	ne	URL:		http	s://eco	m-sta.	apwide.	с	0	0
ECP- 293	NRT 3.5		Status: Application:	Up eCommerce		Descriptio	on:	STG		nment	of our r		0	0
ECP- 277	Ad-hoc execution for ECP-85		Attributes # servers:	8		Location:		Swis	s datac	enter			0	0
ECP- 276	Ad-hoc execution for ECP-85		Console: CPU:	https://admin.a Intel Xeon Gold	· · · · · · · · · · · · · · · · · · ·	OS: Owner:			intu 17. port@a		com		0	0
ECP- 275	Ad-hoc execution for ECP-85		Credentials:	3.00GHz Eckinox / ER%e	egs67	Team:		Red	team				0	0
ECP- 274	Ad-hoc execution for ECP-85		Database:	Oracle 12.2									0	0
ECP- 272	Ad-hoc execution for ECP-85		Deployments Version	Status Changes	Deployed				By				0	0
ECP-	UAT in Staging		ECOM 3.6		2018-10-02 15:15				adm	nin			0	0
ECP-	UAT September Release		ECOM 3.5 ECOM 1.2.4		2018-06-06 07:49 2018-04-20 14:41				dbe adm				0	0
ECP- 216	New NRT		ECOM 2.1		2018-03-28 12:21				adm	nin			0	0
ECP- 212	UAT July Release		PAYMENT STAGING	ECOMMERCE STAG	ING	2018-07- 23	2018- 07-26		10	2	5		2	1

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.

Apwide	October Relea	Se Edited Save	••• Details							📾 Add Event 🔥 Export 🔊
	APP eCommerce ×									Ğ
New Timeline										
MY TIMELINES	<< >> Today					C Settings	c	_	+ 53	Calendars
E-commerce Booking Requests	(drag timeline)							rl + scroll to		Deployment
Global Roadmap SHARED		October 2018 (W41)								Data refresh
July Release SHARED		Mon 8	Tue 9	Wed 10	Thu 11	Fri 12			Mon	Security scan
October Release	eCommerce Dev1	Ť								Load testing
Our new release SHARED	ECOM 3.7									Major Release Milestones
	eCommerce Integration1	Dev close	Security scan					Data ref	resh	+ Add ~
Our new release 2 SHARED	ECOM 3.2		SLOW					DOWN		Calendars on timeline to plan a new activity)
September Release SHARED	eCommerce Integration2	Data refr Deployment							New Sta	ndard Calendar
SHARED TIMELINES	DOWN	DOWN ECOM 3.5 - DE							New Issu	ie Calendar
Jon Snow Timeline	eCommerce Staging					Load testing				deployed versions
	ECOM 3.6					SLOW				status changes
SHORTCUTS								-		
Q Environments					Go/N	oGo				
	eCommerce Production									
	ECOM 2.0									Improve your Timeline
										Contact us at support@apwide.com to propose ne features or get support.

1. Add a new issues based calendar

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

Create new Calendar

General	Name [*]	Xray Testing
Issues Mapping		Choose the name of Calendar
Default Values	Color*	•
		Choose the default color of Calendar
		$\hfill\square$ Group events of this calendar in the same row
		Choose how to arrange the calendar's items on the timeline

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

Create new Calendar

General Issues Mapping	Events Source [*] (ProjectFilter
Default Values	Advanced search*	 JQL project = "E-commerce platform" AND (?) <u>issuetype</u> 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)

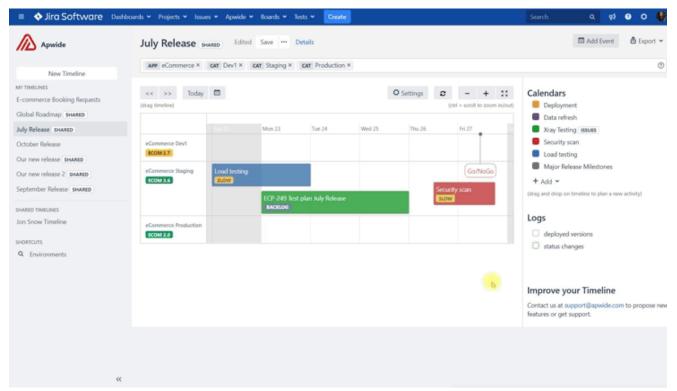
Create new Calendar

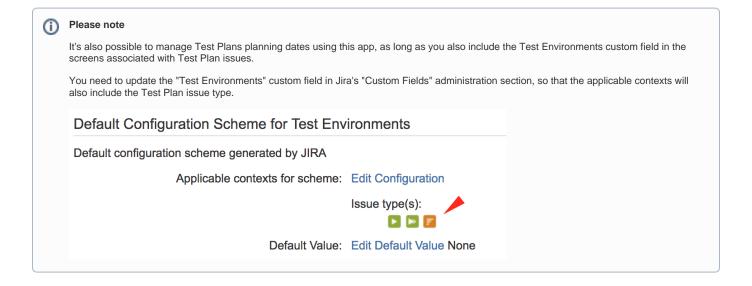
General	Default Project	E-commerce platform (ECP)
Issues Mapping		Default project when creating a new issue on the timeline
Default Values	Default Issue Type	Test Execution
		Default issue type when creating a new issue on the timeline

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

Save

Cancel





References

- Apwide Golive in the Marketplace
- Apwide Golive documentation