

Release Management

DRAFT IN PROGRESS

Introduction

ACS releases can be huge with many features, improvements and issues. For successful release management proactive monitoring is needed to inspect and correct course.

Release Dashboard

A good release dashboard provide necessary widgets for release management. JIRA supports many widgets types each widget is linked to a filter (named queries).

Tip: By default filters are private, in order for others to access them, they need to be shared with project 'CLOUDSTACK'. Sharing a filter with others require a privilege that can be received by creating a ticket with Apache INFRA

Some of the recommended widgets are:

Widget	Query
Bugs created in last 7 days by Priority	project = CLOUDSTACK AND type = Bug AND affectedVersion = "4.3.0" AND createdDate >= startOfDay(-7) ORDER BY priority DESC, key ASC
Bugs resolved in last 7 days by Priority	project = CLOUDSTACK AND type = Bug AND (affectedVersion = "4.3.0" OR fixVersion = "4.3.0") AND resolution != "Unresolved" ORDER BY priority DESC, key ASC
Bugs closed in last 7 days by Priority	project = CLOUDSTACK AND issuetype = Bug AND affectedVersion = "4.3.0" AND status = Closed ORDER BY priority DESC, key ASC
Bugs unresolved unassigned by Priority	project = CLOUDSTACK AND type = Bug AND fixVersion = "4.3.0" AND resolution is EMPTY AND assignee is EMPTY AND priority in (blocker, critical) ORDER BY priority DESC, key ASC
Bugs unresolved total by Priority	
Bugs unresolved unassigned by Components	
Bugs unresolved blocker critical by Components	project = CLOUDSTACK AND issuetype = Bug AND priority in (Blocker, Critical) AND resolution = Unresolved AND fixVersion = "4.3.0" ORDER BY priority DESC, key ASC
Bugs Total	project = CLOUDSTACK AND issuetype = Bug AND (affectedVersion = "4.3.0" OR fixVersion = "4.3.0") ORDER BY priority DESC, key ASC
Bugs Resolved Total	
Bugs Closed Total	

Notifying the assignees

The best way to notify the assignees is by using the bulk edit option in JIRA and updating the comment with appropriate message. Weekly reminders as we get closer to release milestones also helps bringing attention and focus

Preparing for release branch

Creating the branch

Release branch is created from master soon after the feature freeze date for a specific release is passed.

Steps to create the branch are outlined below:

```
git checkout master  
git pull origin master
```

^^ this will ensure you are on the latest commit for master

```
git checkout -b X.Y
```

^^ this creates a local X.Y branch for yourself

```
git push origin X.Y
```

Here X.Y is branch to be created like 4.3

Setting up jenkins build jobs

Documentation

Release Notes

Since ACS 4.2.0 release instead of putting a static list of known issues and fixed issues we put a link to a public JIRA filter for known and fixed issues in release notes.

Filter	Description	Query
Issues fixed in this release	A filter that lists all the issues that were fixed in this release from the prior releases. <i>Note: The issues fixed for new features and improvements added in this release should be excluded as those are transient development issues</i>	project = CLOUDSTACK AND type = Bug AND affectedVersion in (PRIOR RELEASE , MAINTENANCE RELEASES) AND fixVersion = "X.Y.Z" AND resolution != "Unresolved" ORDER BY created DESC, priority DESC, key ASC <i>Example: project = CLOUDSTACK AND type = Bug AND affectedVersion in ("4.1.0", "4.1.1") AND fixVersion = "4.2.0" AND resolution != "Unresolved" ORDER BY created DESC, priority DESC, key ASC</i>
Known issues in this release	A filter that lists all the known issues from this release	project = CLOUDSTACK AND type = Bug AND (affectedVersion = "X.Y.Z" or fixVersion = "X.Y.Z") AND resolution is EMPTY AND level = "Public" ORDER BY priority DESC, key ASC <i>Example: project = CLOUDSTACK AND type = Bug AND (affectedVersion = "4.2.0" OR fixVersion = "4.2.0") AND resolution is EMPTY AND level = "Public" ORDER BY priority DESC, key ASC</i>