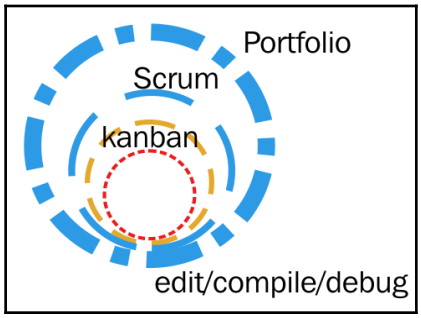
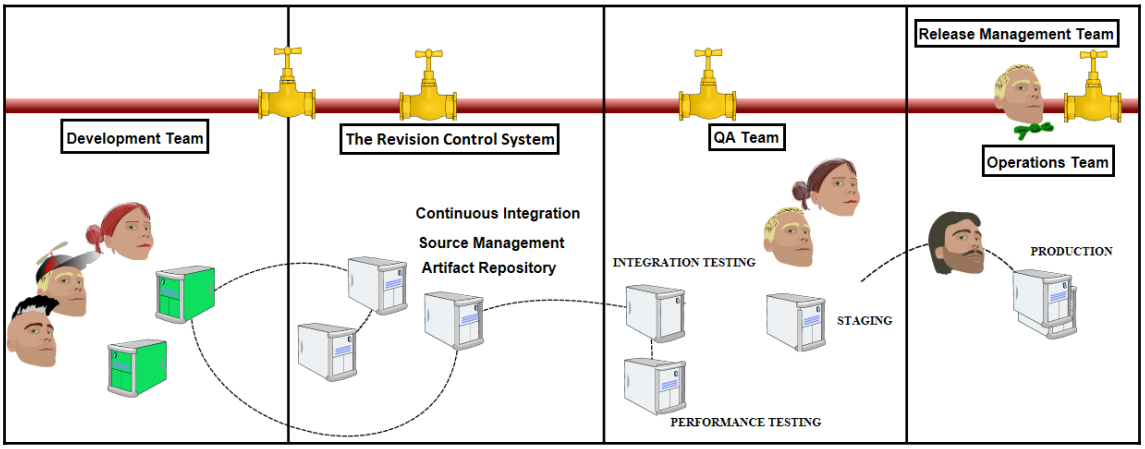
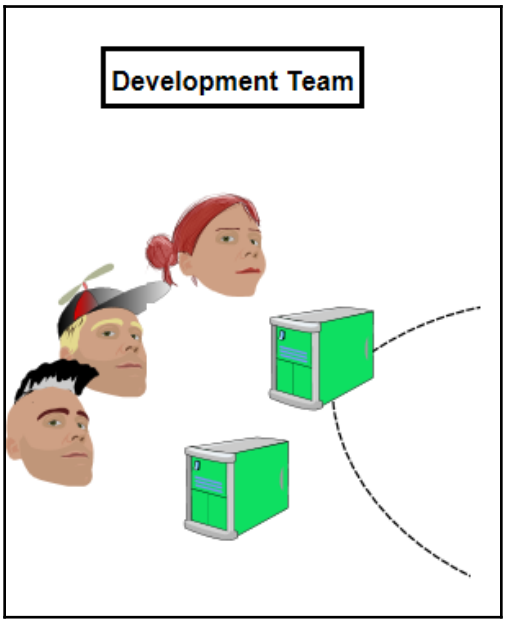
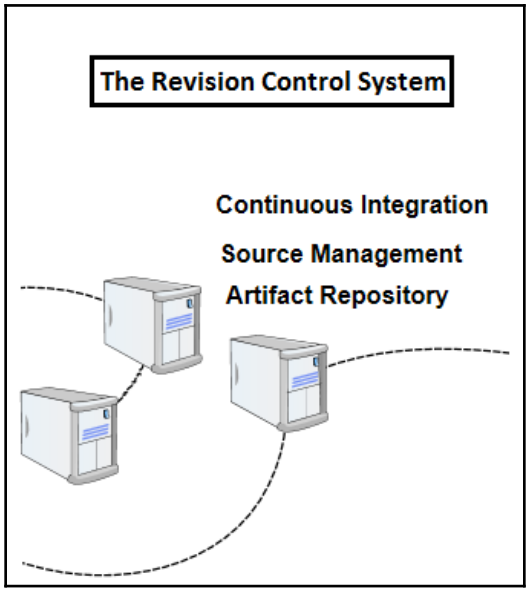
Chapter 01: Introducing DevOps and Continuous Delivery

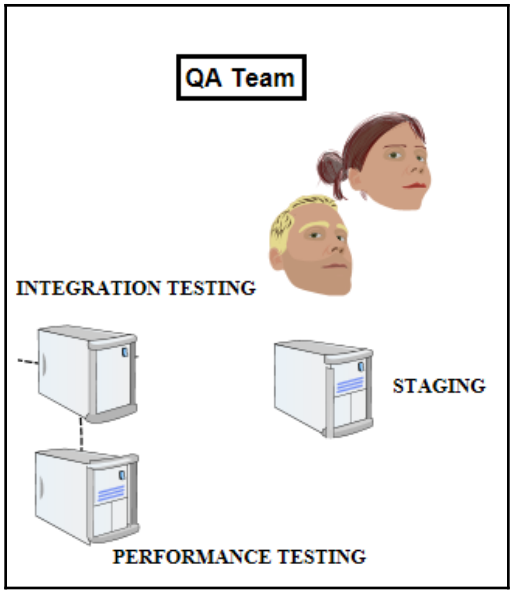


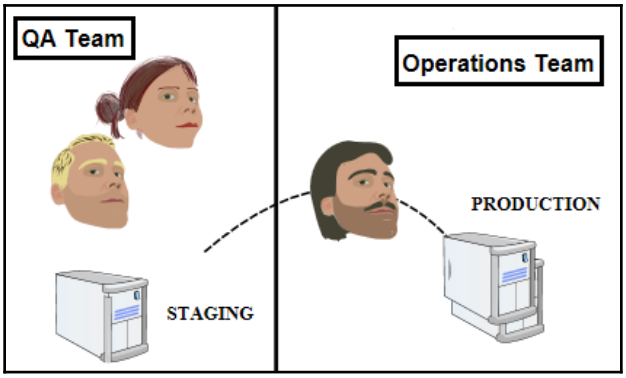
Chapter 02: A View from Orbit

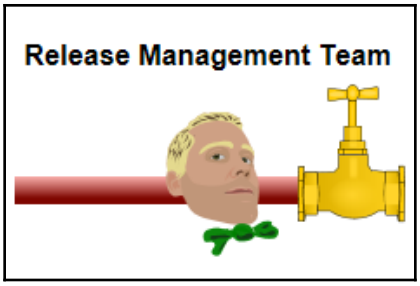




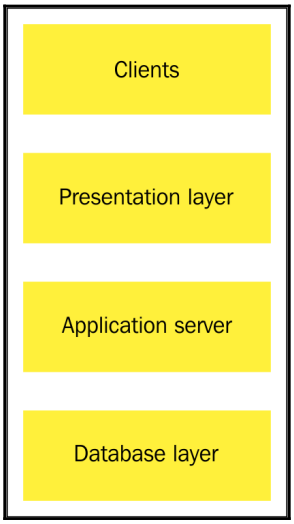

The Revision Control System
Continuous Integration
Source Management
Artifact Repository

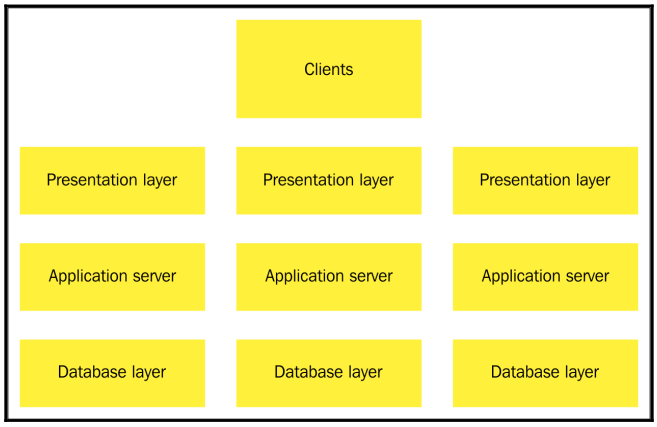

QA Team
INTEGRATION TESTING
STAGING
PERFORMANCE TESTING


QA Team
Operations Team
PRODUCTION
STAGING

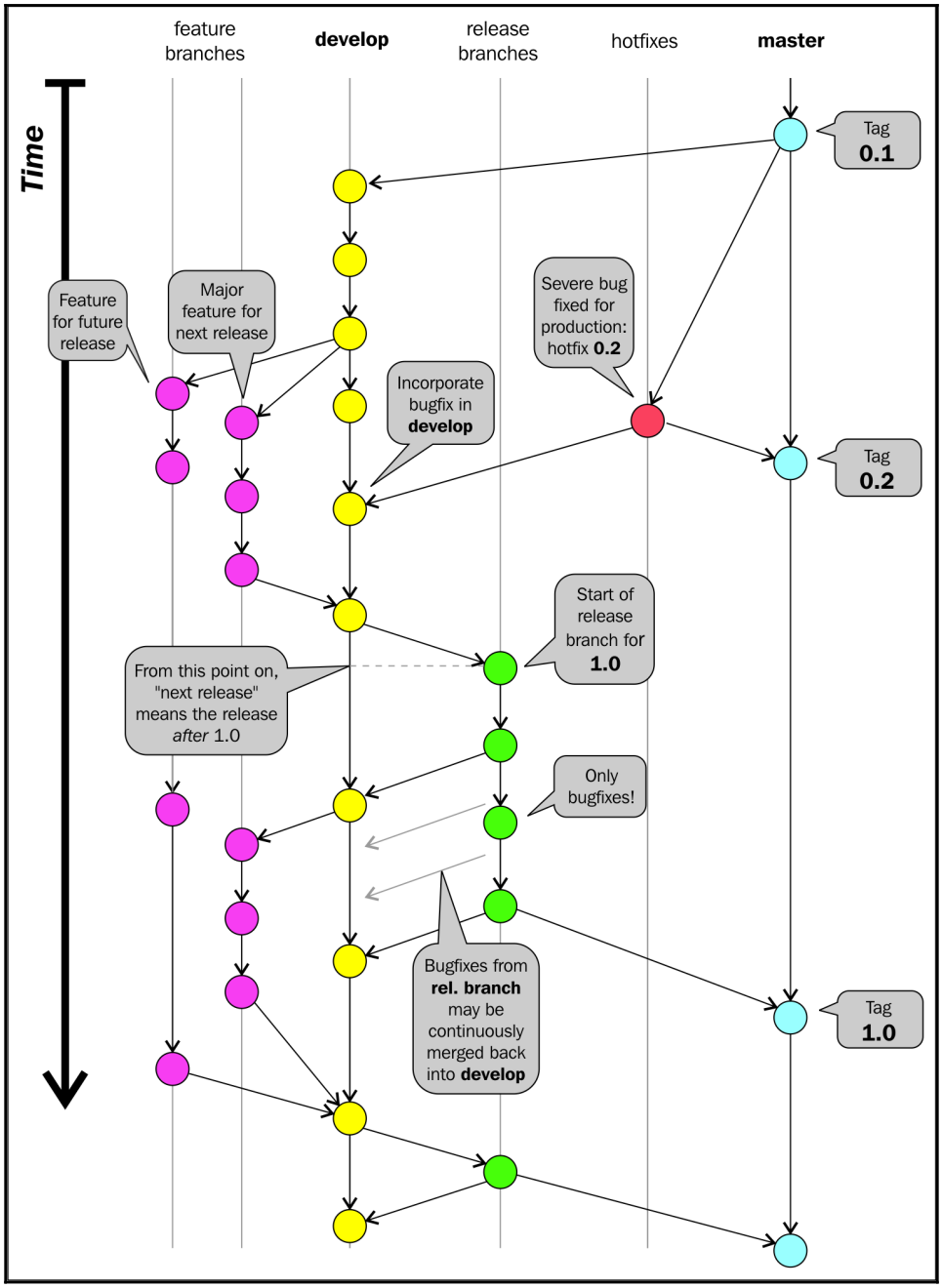

Release Management Team

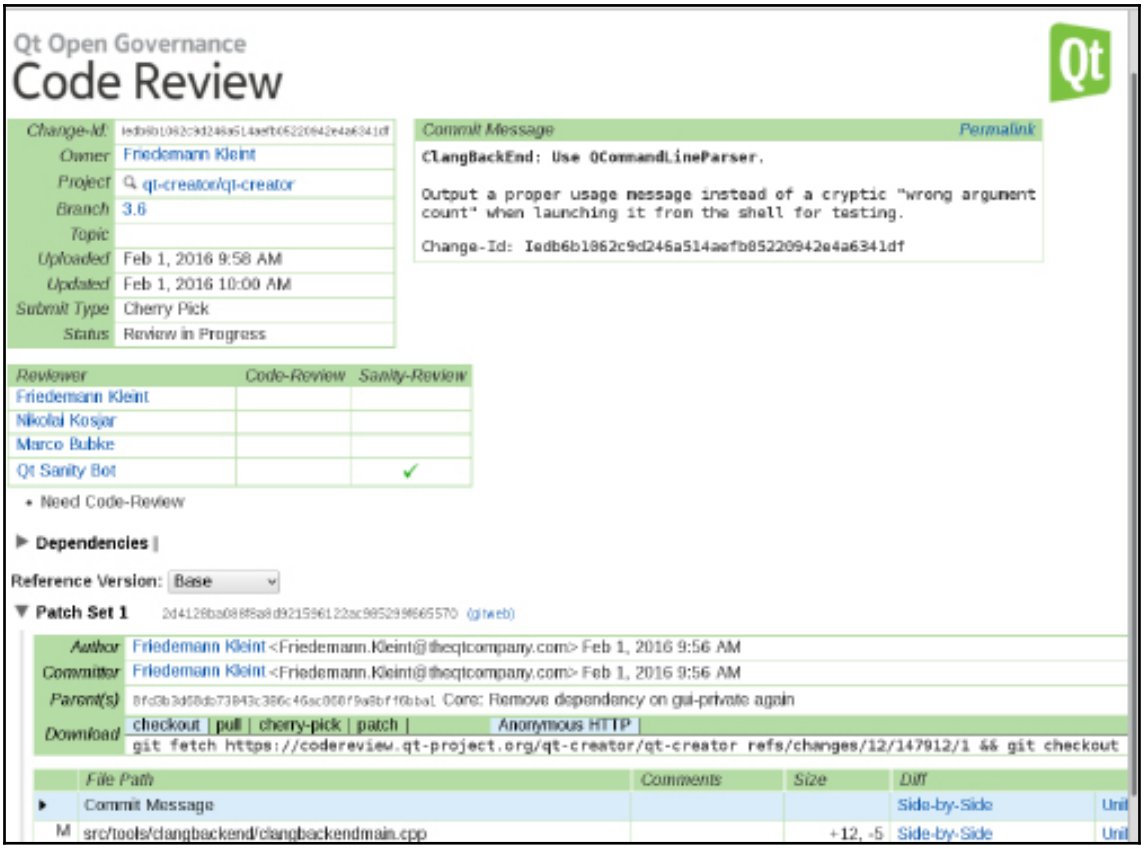
Chapter 03: How DevOps Affects Architecture





Chapter 04: Everything is Code


feature branches
develop
release branches
hotfixes
master
Time
Tag 0.1
Feature for future release
Major feature for next release
Severe bug fixed for production: hotfix 0.2
Incorporate bugfix in develop
Tag 0.2
Start of release branch for 1.0
From this point on, "next release" means the release after 1.0
Only bugfixes!
Bugfixes from rel. branch may be continuously merged back into develop
Tag 1.0



Qt Open Governance

Code Review

Change-Id:	Iedb6b1862c9d246a514aefb85220942e4a6341df
Owner	Friedemann Kleint
Project	qt-creator/qt-creator
Branch	3.6
Topic	
Uploaded	Feb 1, 2016 9:58 AM
Updated	Feb 1, 2016 10:00 AM
Submit Type	Cherry Pick
Status	Review in Progress

Commit Message *Permalink*

```
ClangBackEnd: Use QCommandLineParser.

Output a proper usage message instead of a cryptic "wrong argument
count" when launching it from the shell for testing.

Change-Id: Iedb6b1862c9d246a514aefb85220942e4a6341df
```

Reviewer	*Code-Review*	*Sanity-Review*
Friedemann Kleint		
Nikolai Kosjar		
Marco Bubke		
Qt Sanity Bot		✓

- Need Code-Review

▶ **Dependencies** |

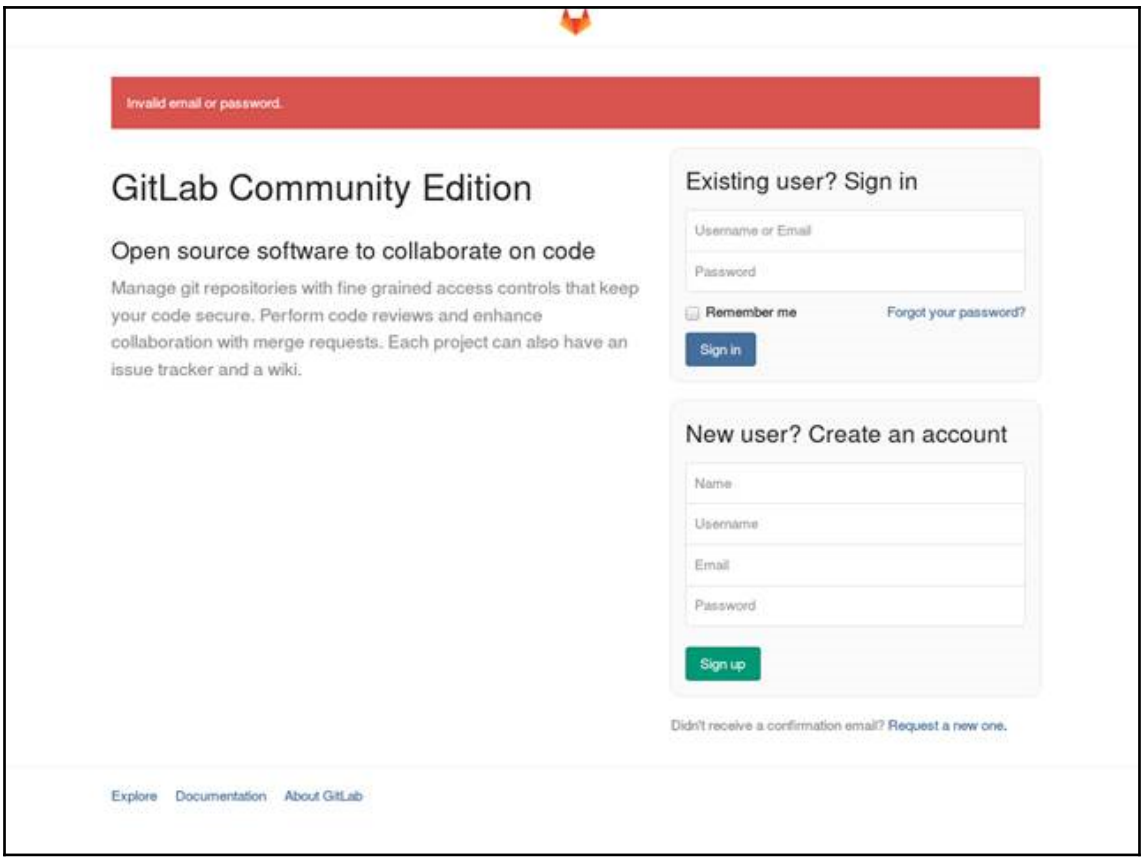
Reference Version: Base

▼ **Patch Set 1** 2d4128ba088f8a8d921596122ac9852986665570 (gitweb)

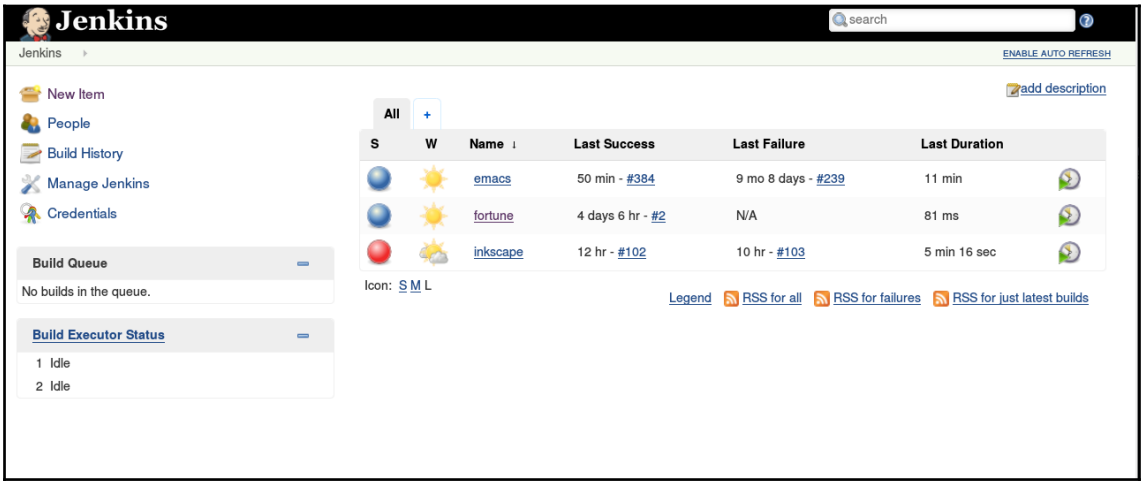
Author	Friedemann Kleint <Friedemann.Kleint@theqtcompany.com> Feb 1, 2016 9:56 AM
Committer	Friedemann Kleint <Friedemann.Kleint@theqtcompany.com> Feb 1, 2016 9:56 AM
Parent(s)	8fc0b3d58dc73843c386c46ac008f9a8bf10bba1 Core: Remove dependency on gui-private again
Download	checkout | pull | cherry-pick | patch | Anonymous HTTP |

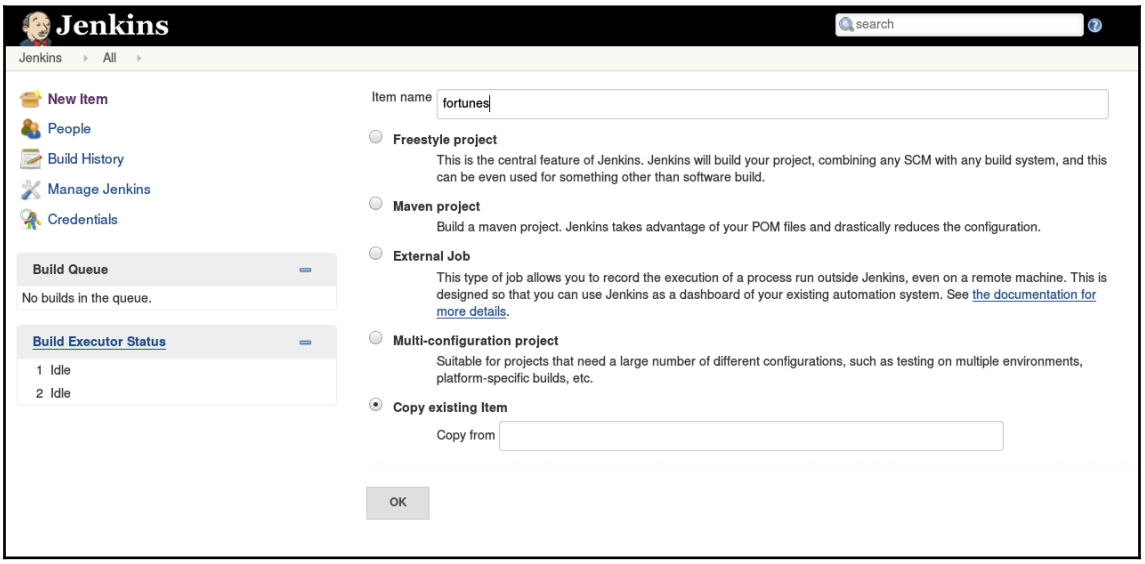
```
git fetch https://codereview.qt-project.org/qt-creator/qt-creator refs/changes/12/147912/1 && git checkout
```

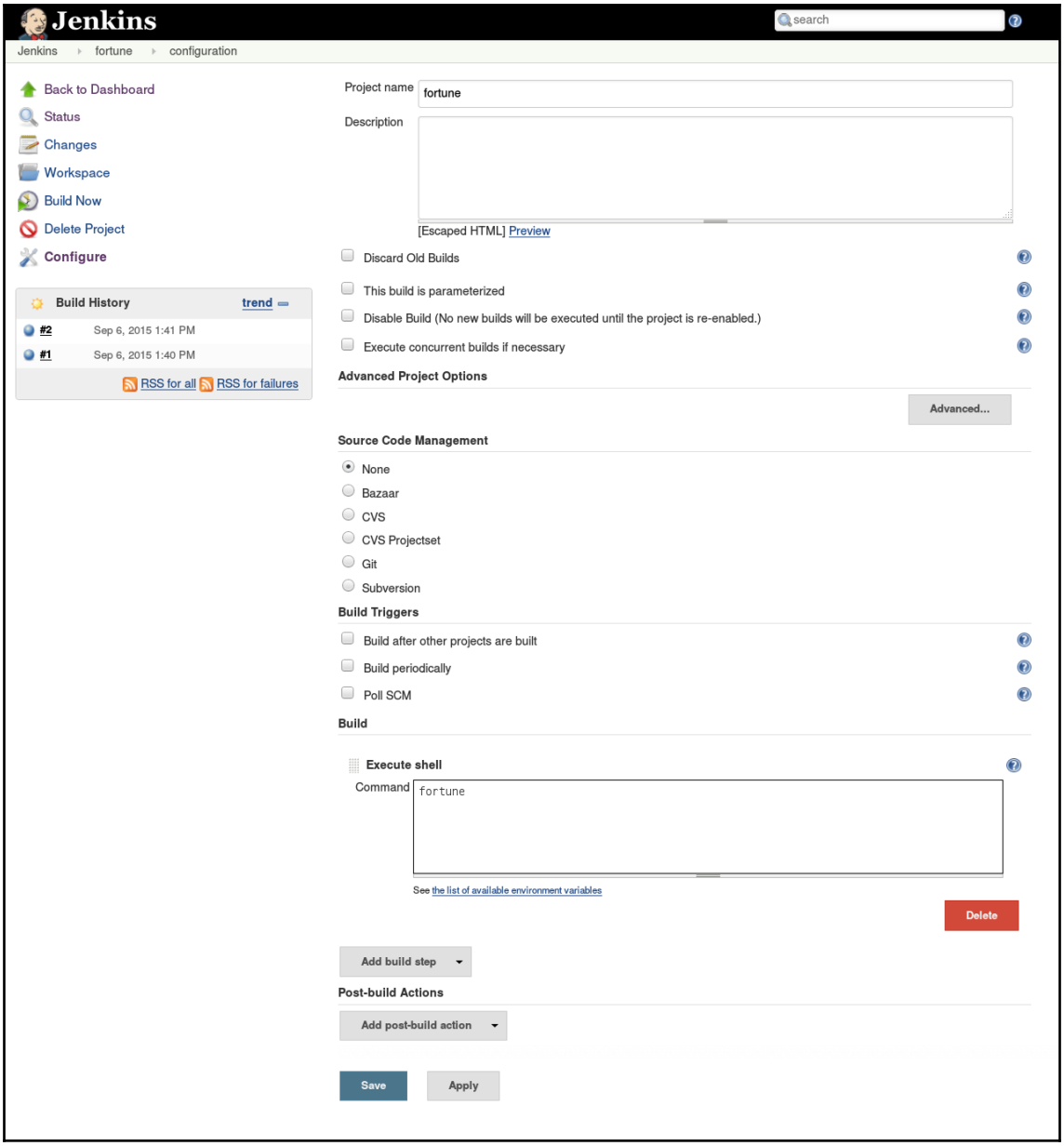
	File Path	*Comments*	*Size*	*Diff*	
▶	Commit Message			Side-by-Side	Unif
M	src/tools/clangbackend/clangbackendmain.cpp		+12, -5	Side-by-Side	Unif

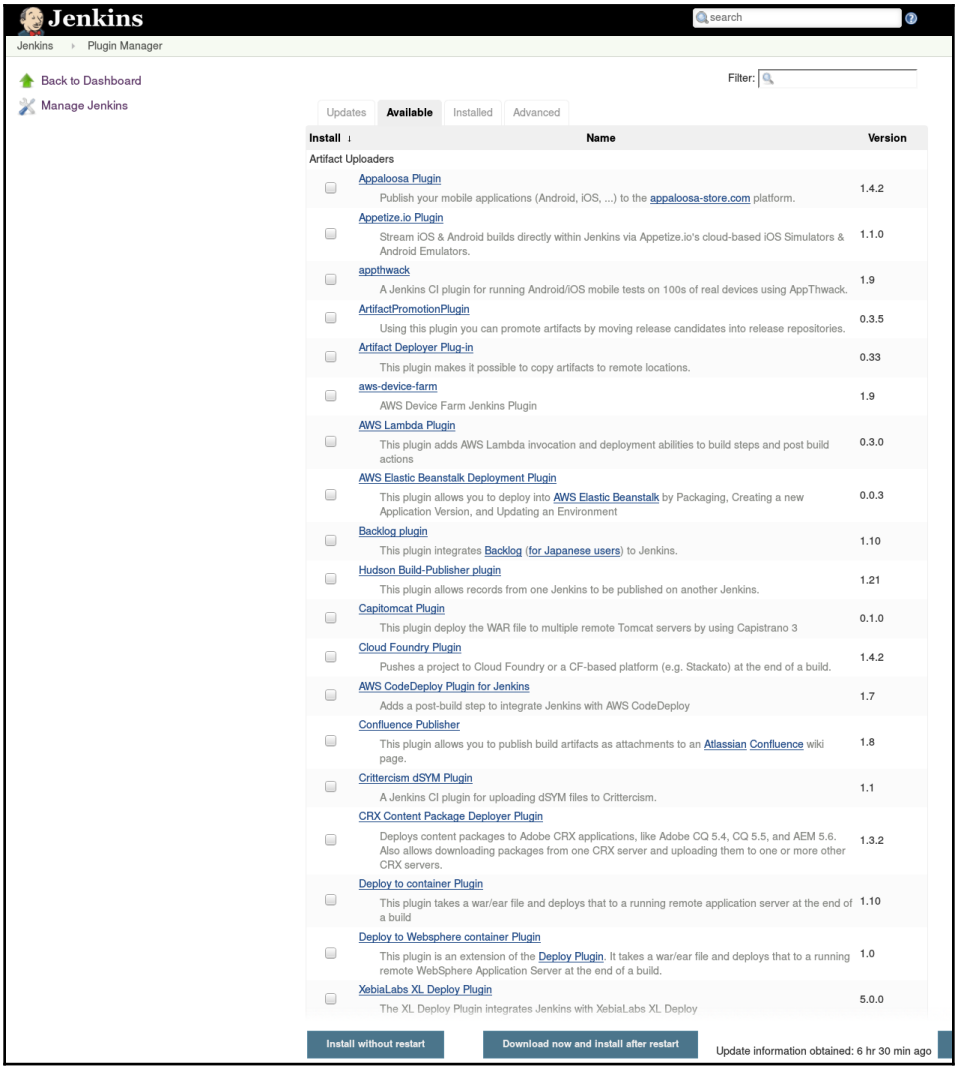

Invalid email or password.
GitLab Community Edition
Open source software to collaborate on code
Manage git repositories with fine grained access controls that keep your code secure. Perform code reviews and enhance collaboration with merge requests. Each project can also have an issue tracker and a wiki.
Existing user? Sign in
Username or Email
Password
Remember me
Forgot your password?
Sign in
New user? Create an account
Name
Username
Email
Password
Sign up
Didn't receive a confirmation email? Request a new one.
Explore
Documentation
About GitLab

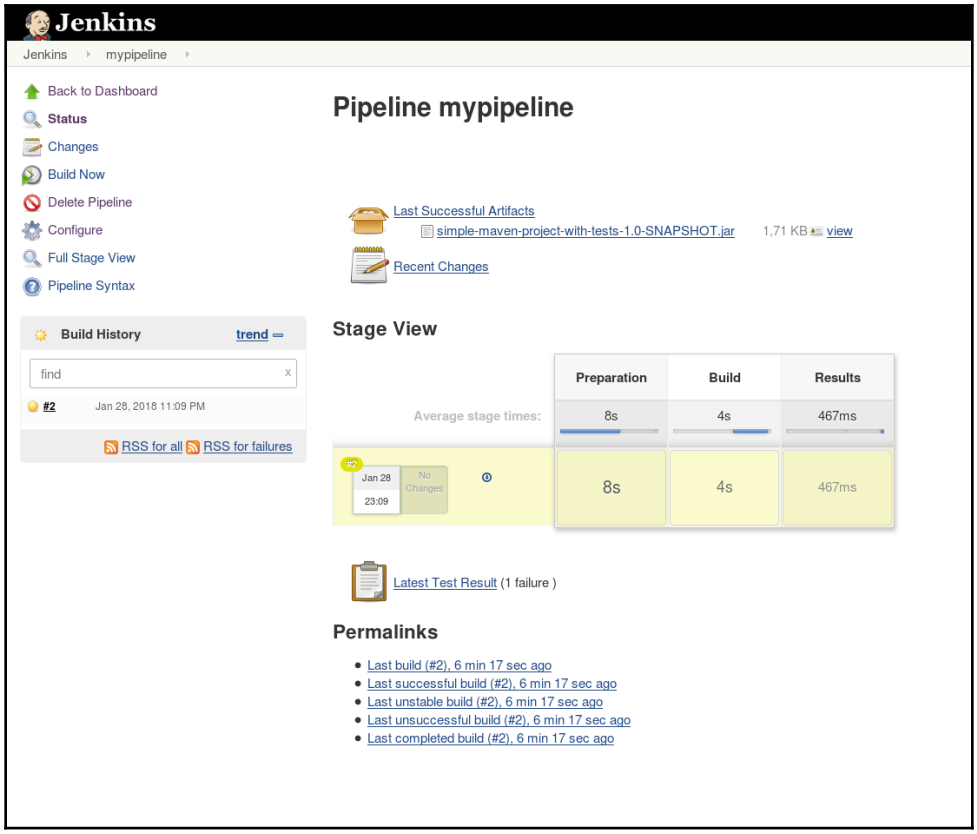
Chapter 05: Building the Code

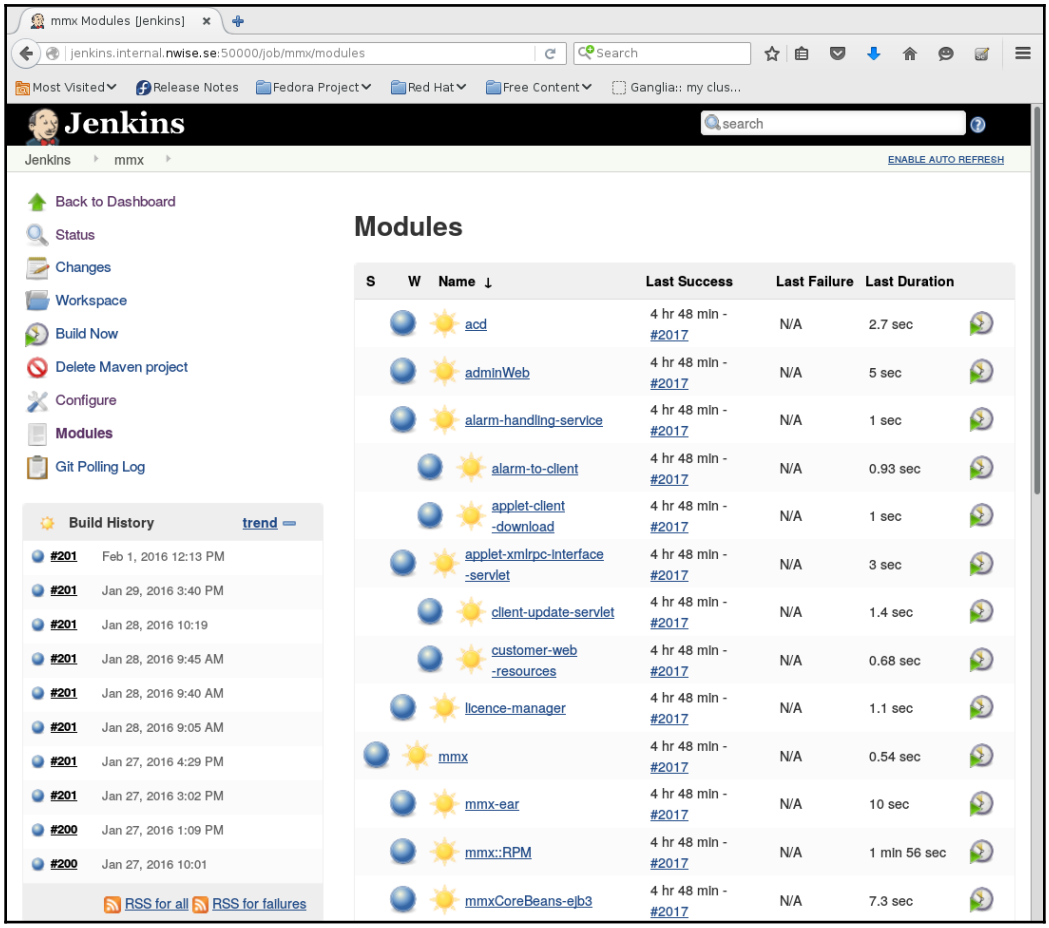


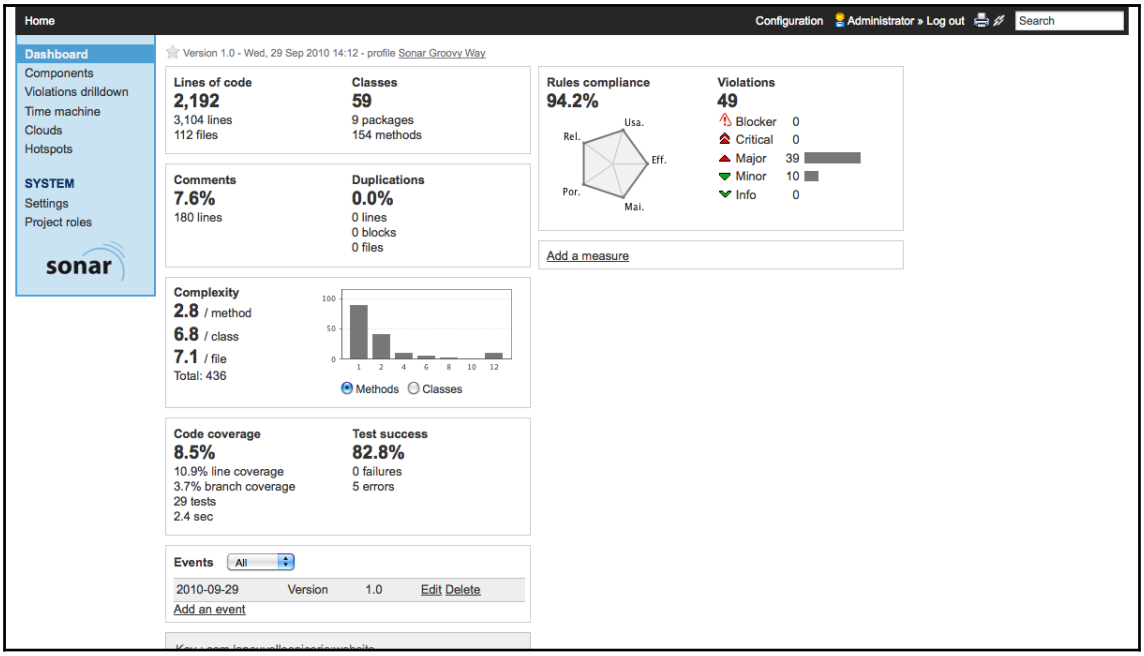



Jenkins
search
Jenkins fortune configuration
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Project
Configure
Build History trend
#2 Sep 6, 2015 1:41 PM
#1 Sep 6, 2015 1:40 PM
RSS for all RSS for failures
Project name fortune
Description
[Escaped HTML] Preview
Discard Old Builds
This build is parameterized
Disable Build (No new builds will be executed until the project is re-enabled.)
Execute concurrent builds if necessary
Advanced Project Options
Advanced...
Source Code Management
None
Bazaar
CVS
CVS Projectset
Git
Subversion
Build Triggers
Build after other projects are built
Build periodically
Poll SCM
Build
Execute shell
Command fortune
See the list of available environment variables
Delete
Add build step
Post-build Actions
Add post-build action
Save
Apply

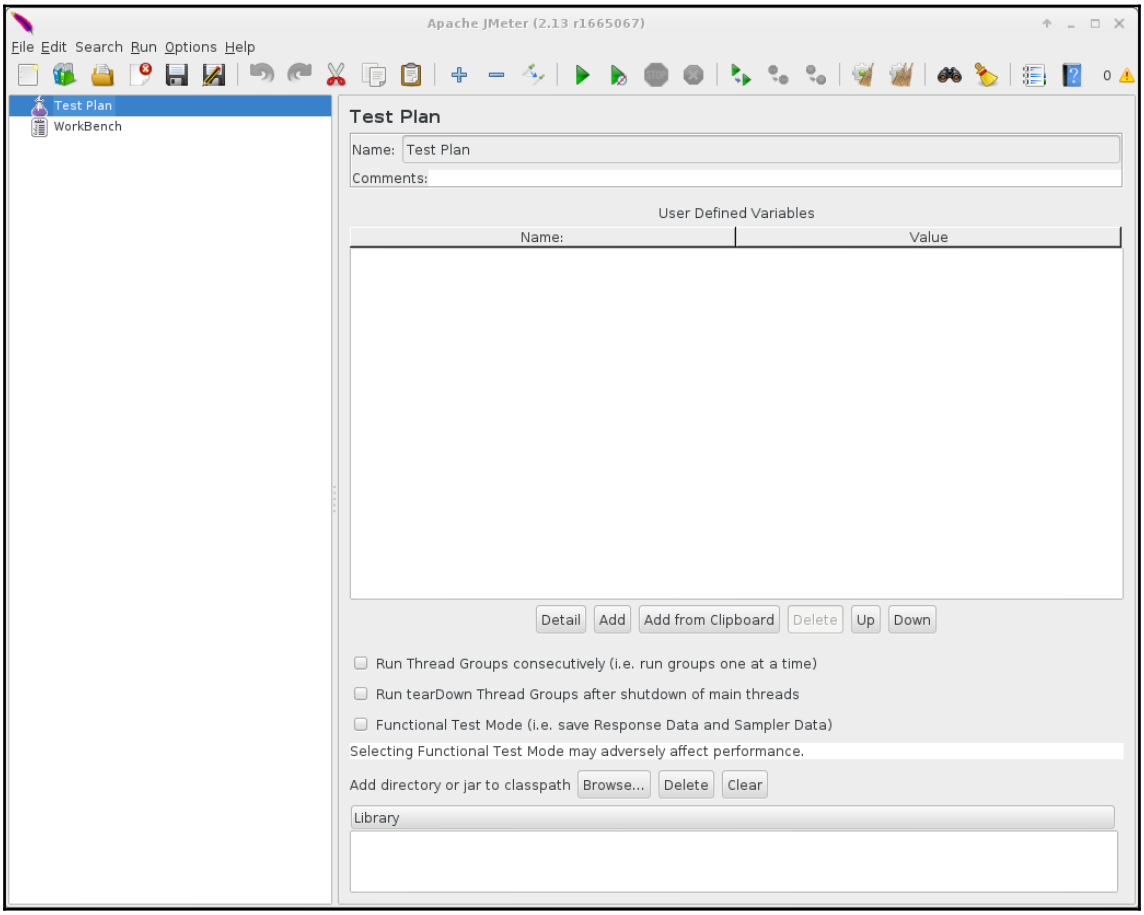

Jenkins
search
Jenkins › Plugin Manager
Back to Dashboard
Manage Jenkins
Filter:
Updates
Available
Installed
Advanced
Install ↓
Name
Version
Artifact Uploaders
Appaloosa Plugin
Publish your mobile applications (Android, iOS, ...) to the appaloosa-store.com platform.
1.4.2
Appetize.io Plugin
Stream iOS & Android builds directly within Jenkins via Appetize.io's cloud-based iOS Simulators & Android Emulators.
1.1.0
appthwack
A Jenkins CI plugin for running Android/iOS mobile tests on 100s of real devices using AppThwack.
1.9
ArtifactPromotionPlugin
Using this plugin you can promote artifacts by moving release candidates into release repositories.
0.3.5
Artifact Deployer Plug-in
This plugin makes it possible to copy artifacts to remote locations.
0.33
aws-device-farm
AWS Device Farm Jenkins Plugin
1.9
AWS Lambda Plugin
This plugin adds AWS Lambda invocation and deployment abilities to build steps and post build actions
0.3.0
AWS Elastic Beanstalk Deployment Plugin
This plugin allows you to deploy into AWS Elastic Beanstalk by Packaging, Creating a new Application Version, and Updating an Environment
0.0.3
Backlog plugin
This plugin integrates Backlog (for Japanese users) to Jenkins.
1.10
Hudson Build-Publisher plugin
This plugin allows records from one Jenkins to be published on another Jenkins.
1.21
Capitomcat Plugin
This plugin deploy the WAR file to multiple remote Tomcat servers by using Capistrano 3
0.1.0
Cloud Foundry Plugin
Pushes a project to Cloud Foundry or a CF-based platform (e.g. Stackato) at the end of a build.
1.4.2
AWS CodeDeploy Plugin for Jenkins
Adds a post-build step to integrate Jenkins with AWS CodeDeploy
1.7
Confluence Publisher
This plugin allows you to publish build artifacts as attachments to an Atlassian Confluence wiki page.
1.8
Crittercism dSYM Plugin
A Jenkins CI plugin for uploading dSYM files to Crittercism.
1.1
CRX Content Package Deployer Plugin
Deploys content packages to Adobe CRX applications, like Adobe CQ 5.4, CQ 5.5, and AEM 5.6. Also allows downloading packages from one CRX server and uploading them to one or more other CRX servers.
1.3.2
Deploy to container Plugin
This plugin takes a war/ear file and deploys that to a running remote application server at the end of a build
1.10
Deploy to Websphere container Plugin
This plugin is an extension of the Deploy Plugin. It takes a war/ear file and deploys that to a running remote WebSphere Application Server at the end of a build.
1.0
XebiaLabs XL Deploy Plugin
The XL Deploy Plugin integrates Jenkins with XebiaLabs XL Deploy
5.0.0
Install without restart
Download now and install after restart
Update information obtained: 6 hr 30 min ago

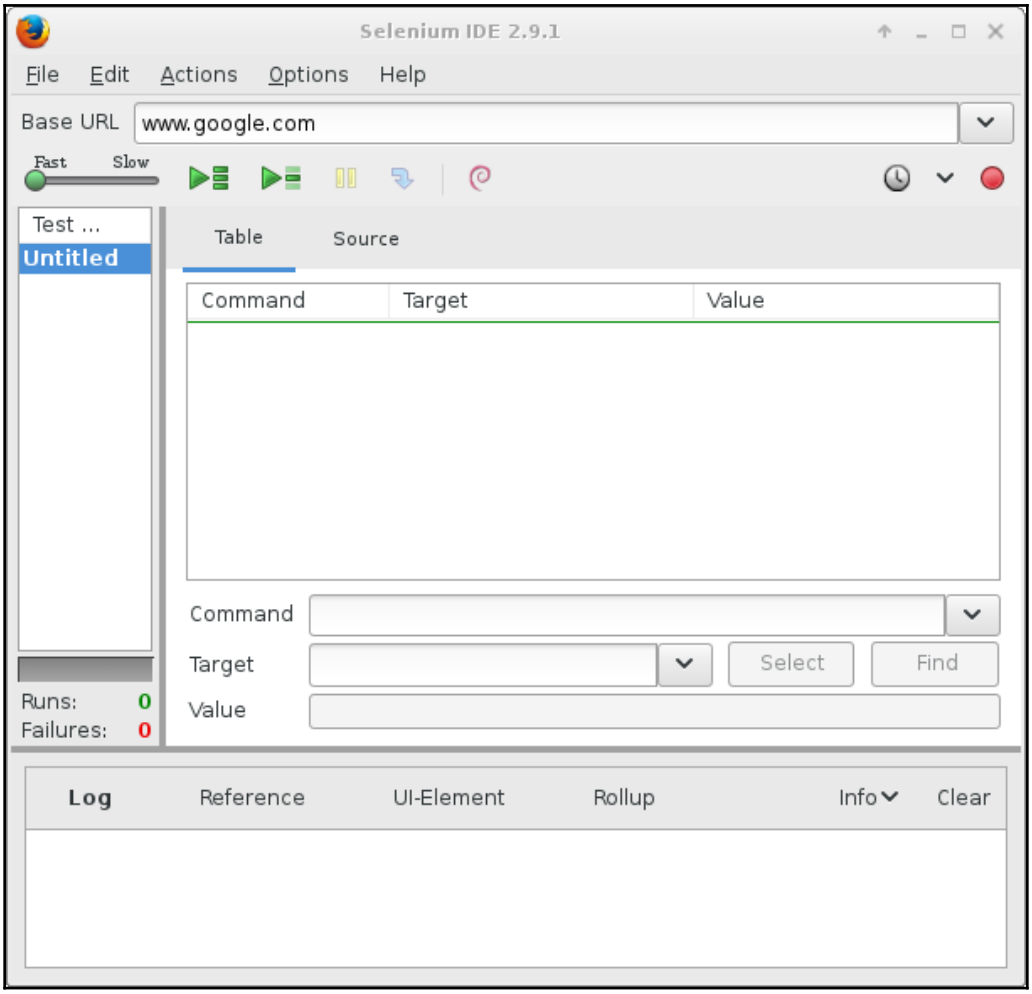

Jenkins
Jenkins
mypipeline
Back to Dashboard
Status
Changes
Build Now
Delete Pipeline
Configure
Full Stage View
Pipeline Syntax
Build History
trend
find
#2
Jan 28, 2018 11:09 PM
RSS for all
RSS for failures
Pipeline mypipeline
Last Successful Artifacts
simple-maven-project-with-tests-1.0-SNAPSHOT.jar
1,71 KB
view
Recent Changes
Stage View
Preparation
Build
Results
Average stage times:
8s
4s
467ms
#2
Jan 28
23:09
No Changes
8s
4s
467ms
Latest Test Result (1 failure)
Permalinks
Last build (#2), 6 min 17 sec ago
Last successful build (#2), 6 min 17 sec ago
Last unstable build (#2), 6 min 17 sec ago
Last unsuccessful build (#2), 6 min 17 sec ago
Last completed build (#2), 6 min 17 sec ago

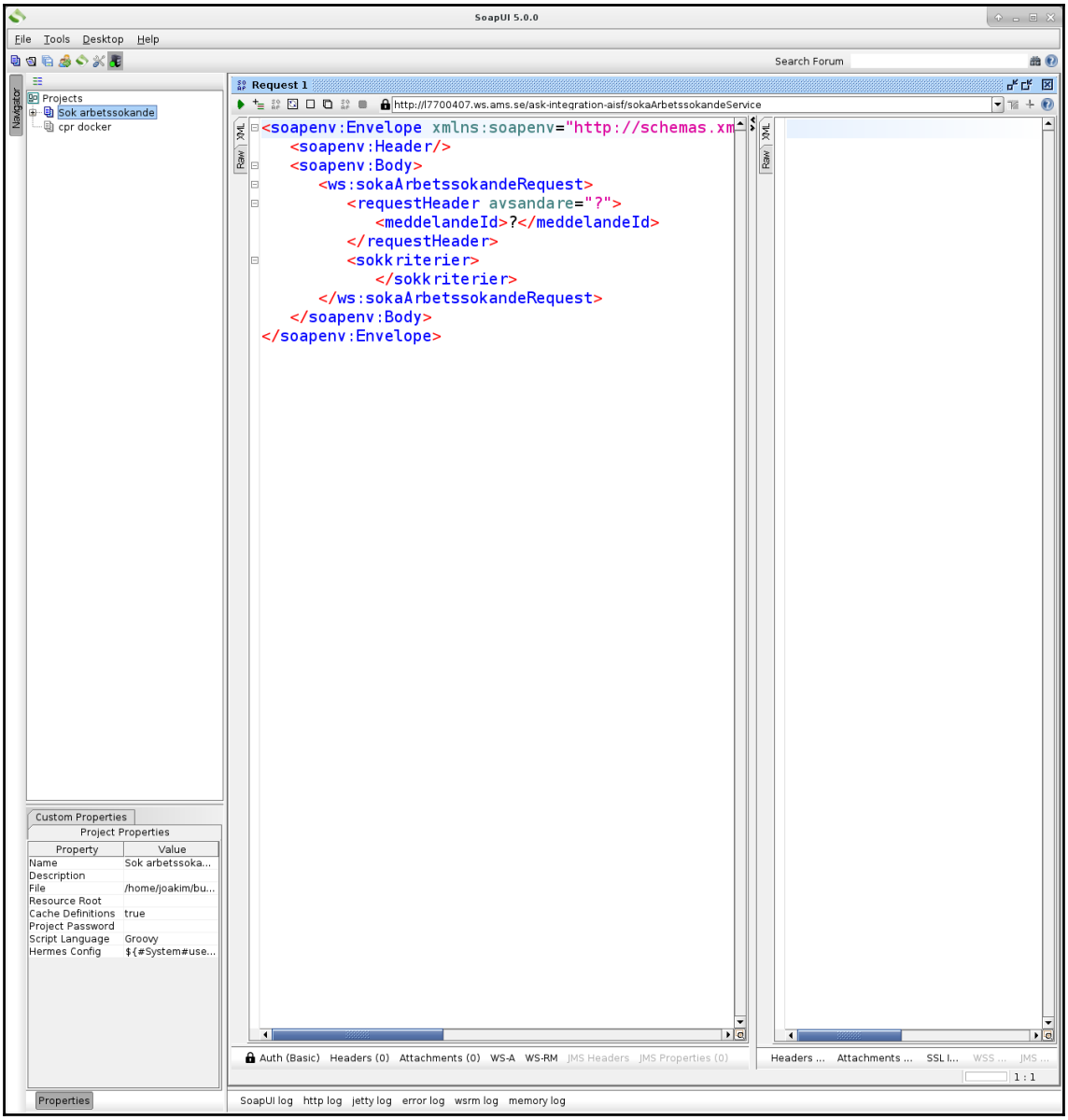

mmx Modules [Jenkins]
jenkins.internal.nwise.se:50000/job/mmx/modules
Search
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Ganglia:: my clus...
Jenkins
search
Jenkins
mmx
ENABLE AUTO REFRESH
Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Maven project
Configure
Modules
Git Polling Log
Build History
trend
#201 Feb 1, 2016 12:13 PM
#201 Jan 29, 2016 3:40 PM
#201 Jan 28, 2016 10:19
#201 Jan 28, 2016 9:45 AM
#201 Jan 28, 2016 9:40 AM
#201 Jan 28, 2016 9:05 AM
#201 Jan 27, 2016 4:29 PM
#201 Jan 27, 2016 3:02 PM
#200 Jan 27, 2016 1:09 PM
#200 Jan 27, 2016 10:01
RSS for all
RSS for failures
Modules
S W Name ↓ Last Success Last Failure Last Duration
acd 4 hr 48 min - #2017 N/A 2.7 sec
adminWeb 4 hr 48 min - #2017 N/A 5 sec
alarm-handling-service 4 hr 48 min - #2017 N/A 1 sec
alarm-to-client 4 hr 48 min - #2017 N/A 0.93 sec
applet-client-download 4 hr 48 min - #2017 N/A 1 sec
applet-xmlrpc-interface-servlet 4 hr 48 min - #2017 N/A 3 sec
client-update-servlet 4 hr 48 min - #2017 N/A 1.4 sec
customer-web-resources 4 hr 48 min - #2017 N/A 0.68 sec
licence-manager 4 hr 48 min - #2017 N/A 1.1 sec
mmx 4 hr 48 min - #2017 N/A 0.54 sec
mmx-ear 4 hr 48 min - #2017 N/A 10 sec
mmx::RPM 4 hr 48 min - #2017 N/A 1 min 56 sec
mmxCoreBeans-ejb3 4 hr 48 min - #2017 N/A 7.3 sec

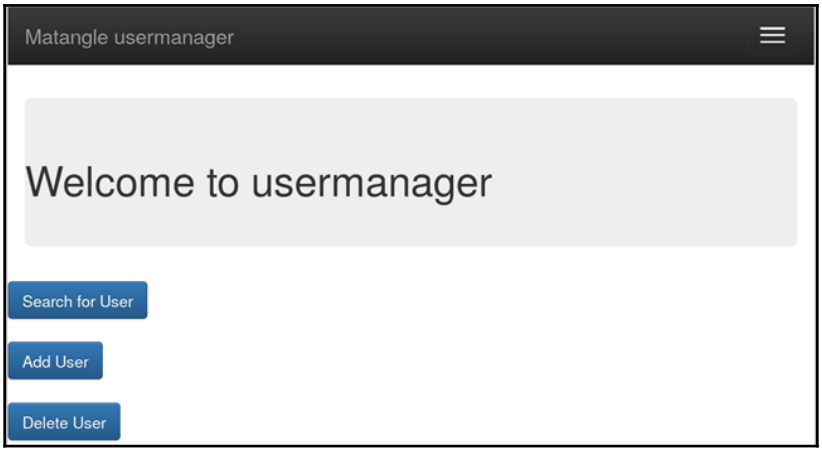

Home
Configuration
Administrator » Log out
Search
Dashboard
Components
Violations drilldown
Time machine
Clouds
Hotspots
SYSTEM
Settings
Project roles
sonar
Version 1.0 - Wed, 29 Sep 2010 14:12 - profile Sonar Groovy Way
Lines of code
2,192
3,104 lines
112 files
Classes
59
9 packages
154 methods
Comments
7.6%
180 lines
Duplications
0.0%
0 lines
0 blocks
0 files
Complexity
2.8 / method
6.8 / class
7.1 / file
Total: 436
100
50
0
1 2 4 6 8 10 12
Methods
Classes
Code coverage
8.5%
10.9% line coverage
3.7% branch coverage
29 tests
2.4 sec
Test success
82.8%
0 failures
5 errors
Events
All
2010-09-29 Version 1.0 Edit Delete
Add an event
Rules compliance
94.2%
Usa.
Eff.
Mai.
Por.
Rel.
Violations
49
Blocker 0
Critical 0
Major 39
Minor 10
Info 0
Add a measure

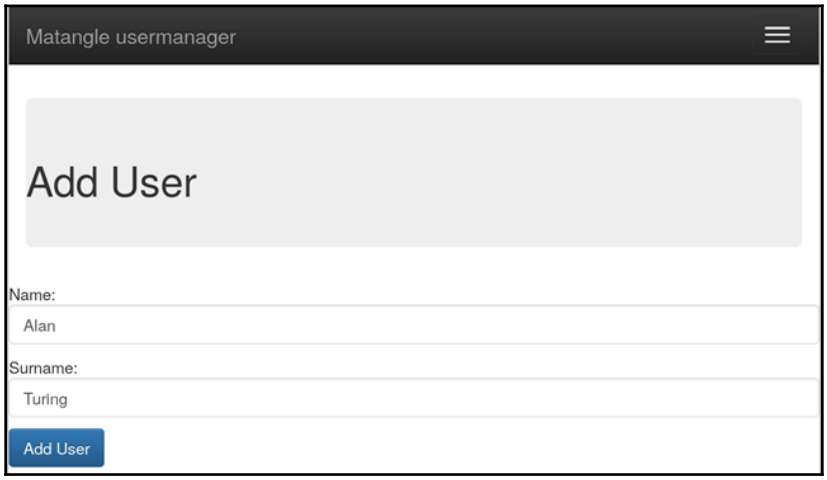
Chapter 06: Testing the Code

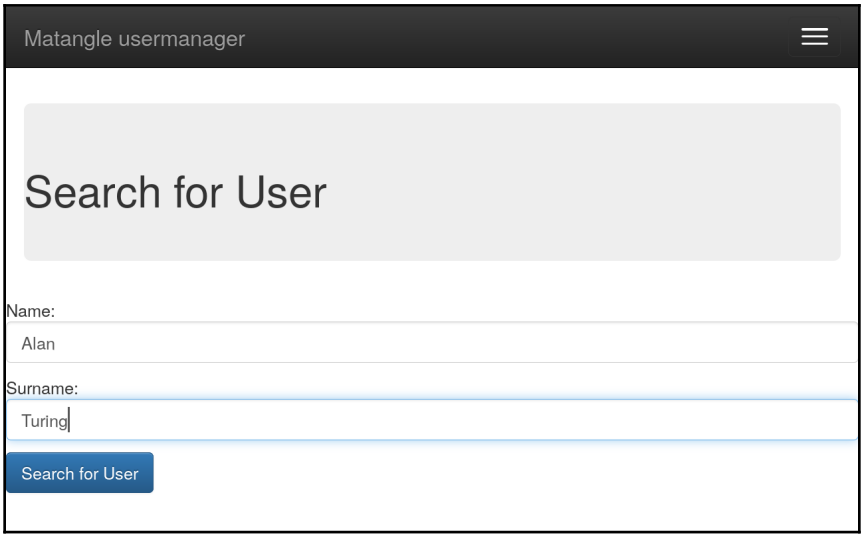



Selenium IDE 2.9.1
File
Edit
Actions
Options
Help
Base URL
www.google.com
Fast
Slow
Test ...
Untitled
Table
Source
Command
Target
Value
Command
Target
Select
Find
Value
Runs:
0
Failures:
0
Log
Reference
UI-Element
Rollup
Info
Clear

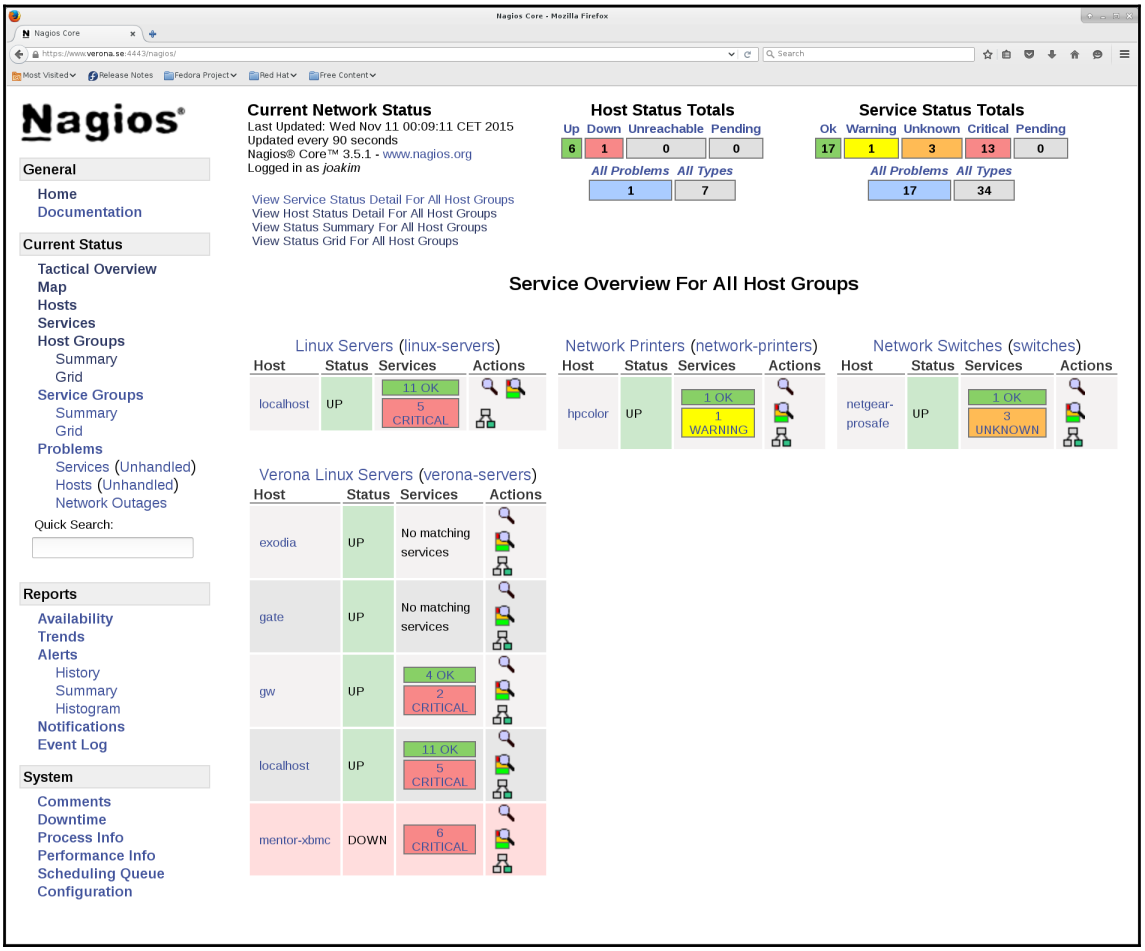

SoapUI 5.0.0
File Tools Desktop Help
Search Forum
Navigator
Projects
Sok arbetssokande
cpr docker
Request 1
http://l7700407.ws.ams.se/ask-integration-aisf/sokaArbetssokandeService
XML
Raw
<soapenv:Envelope xmlns:soapenv="http://schemas.xm
<soapenv:Header/>
<soapenv:Body>
<ws:sokaArbetssokandeRequest>
<requestHeader avsandare="?">
<meddelandeId>?</meddelandeId>
</requestHeader>
<sokkriterier>
</sokkriterier>
</ws:sokaArbetssokandeRequest>
</soapenv:Body>
</soapenv:Envelope>
Auth (Basic) Headers (0) Attachments (0) WS-A WS-RM JMS Headers JMS Properties (0)
Headers ... Attachments ... SSL I... WSS ... JMS ...
1 : 1
Custom Properties
Project Properties
Property Value
Name Sok arbetssoka...
Description
File /home/joakim/bu...
Resource Root
Cache Definitions true
Project Password
Script Language Groovy
Hermes Config ${#System#use...
Properties
SoapUI log http log jetty log error log wsrm log memory log

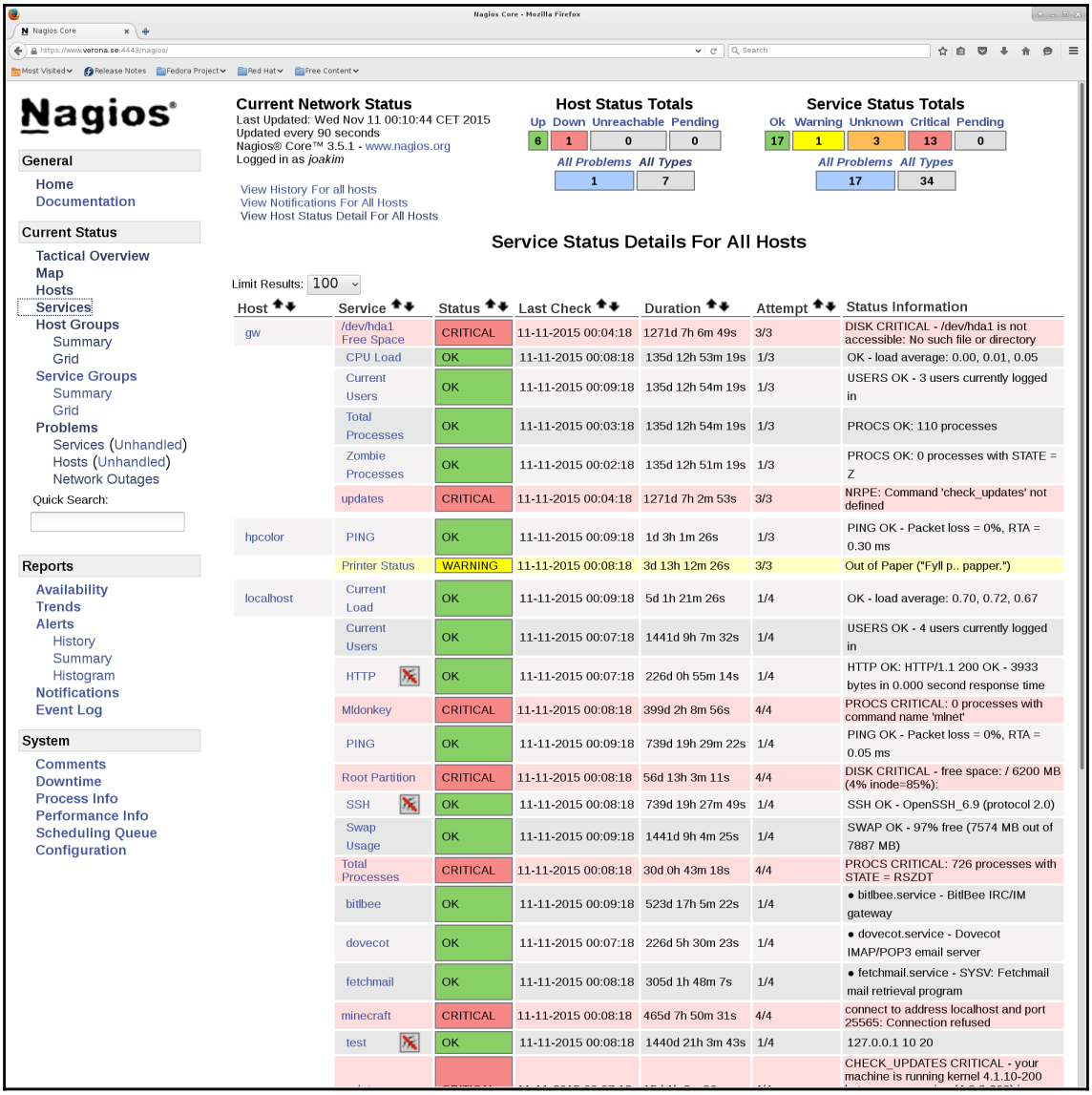

Matangle usermanager
Welcome to usermanager
Search for User
Add User
Delete User


Matangle usermanager
Add User
Name:
Alan
Surname:
Turing
Add User


Matangle usermanager
Search for User
Name:
Alan
Surname:
Turing
Search for User

Chapter 08: Monitoring the Code




Nagios Core - Mozilla Firefox
Nagios Core
https://www.verona.se:4443/nagios/
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Nagios®
General
Home
Documentation
Current Status
Tactical Overview
Map
Hosts
Services
Host Groups
Summary
Grid
Service Groups
Summary
Grid
Problems
Services (Unhandled)
Hosts (Unhandled)
Network Outages
Quick Search:
Reports
Availability
Trends
Alerts
History
Summary
Histogram
Notifications
Event Log
System
Comments
Downtime
Process Info
Performance Info
Scheduling Queue
Configuration
Current Network Status
Last Updated: Wed Nov 11 00:10:44 CET 2015
Updated every 90 seconds
Nagios® Core™ 3.5.1 - www.nagios.org
Logged in as joakim
View History For all hosts
View Notifications For All Hosts
View Host Status Detail For All Hosts
Host Status Totals
Up Down Unreachable Pending
6 1 0 0
All Problems All Types
1 7
Service Status Totals
Ok Warning Unknown Critical Pending
17 1 3 13 0
All Problems All Types
17 34
Service Status Details For All Hosts
Limit Results: 100
Host Service Status Last Check Duration Attempt Status Information
gw /dev/hda1 Free Space CRITICAL 11-11-2015 00:04:18 1271d 7h 6m 49s 3/3 DISK CRITICAL - /dev/hda1 is not accessible: No such file or directory
CPU Load OK 11-11-2015 00:08:18 135d 12h 53m 19s 1/3 OK - load average: 0.00, 0.01, 0.05
Current Users OK 11-11-2015 00:09:18 135d 12h 54m 19s 1/3 USERS OK - 3 users currently logged in
Total Processes OK 11-11-2015 00:03:18 135d 12h 54m 19s 1/3 PROCS OK: 110 processes
Zombie Processes OK 11-11-2015 00:02:18 135d 12h 51m 19s 1/3 PROCS OK: 0 processes with STATE = Z
updates CRITICAL 11-11-2015 00:04:18 1271d 7h 2m 53s 3/3 NRPE: Command 'check_updates' not defined
hpcolor PING OK 11-11-2015 00:09:18 1d 3h 1m 26s 1/3 PING OK - Packet loss = 0%, RTA = 0.30 ms
Printer Status WARNING 11-11-2015 00:08:18 3d 13h 12m 26s 3/3 Out of Paper ("Fyll p.. papper.")
localhost Current Load OK 11-11-2015 00:09:18 5d 1h 21m 26s 1/4 OK - load average: 0.70, 0.72, 0.67
Current Users OK 11-11-2015 00:07:18 1441d 9h 7m 32s 1/4 USERS OK - 4 users currently logged in
HTTP OK 11-11-2015 00:07:18 226d 0h 55m 14s 1/4 HTTP OK: HTTP/1.1 200 OK - 3933 bytes in 0.000 second response time
Mldonkey CRITICAL 11-11-2015 00:08:18 399d 2h 8m 56s 4/4 PROCS CRITICAL: 0 processes with command name 'mlnet'
PING OK 11-11-2015 00:09:18 739d 19h 29m 22s 1/4 PING OK - Packet loss = 0%, RTA = 0.05 ms
Root Partition CRITICAL 11-11-2015 00:08:18 56d 13h 3m 11s 4/4 DISK CRITICAL - free space: / 6200 MB (4% inode=85%):
SSH OK 11-11-2015 00:08:18 739d 19h 27m 49s 1/4 SSH OK - OpenSSH_6.9 (protocol 2.0)
Swap Usage OK 11-11-2015 00:09:18 1441d 9h 4m 25s 1/4 SWAP OK - 97% free (7574 MB out of 7887 MB)
Total Processes CRITICAL 11-11-2015 00:08:18 30d 0h 43m 18s 4/4 PROCS CRITICAL: 726 processes with STATE = RSZDT
bitlbee OK 11-11-2015 00:09:18 523d 17h 5m 22s 1/4 ● bitlbee.service - BitlBee IRC/IM gateway
dovecot OK 11-11-2015 00:07:18 226d 5h 30m 23s 1/4 ● dovecot.service - Dovecot IMAP/POP3 email server
fetchmail OK 11-11-2015 00:08:18 305d 1h 48m 7s 1/4 ● fetchmail.service - SYSV: Fetchmail mail retrieval program
minecraft CRITICAL 11-11-2015 00:08:18 465d 7h 50m 31s 4/4 connect to address localhost and port 25565: Connection refused
test OK 11-11-2015 00:08:18 1440d 21h 3m 43s 1/4 127.0.0.1 10 20
CHECK_UPDATES CRITICAL - your machine is running kernel 4.1.10-200

MUNIN **Overview**

Problems

Critical (0)
Warning (0)
Unknown (0)

Groups

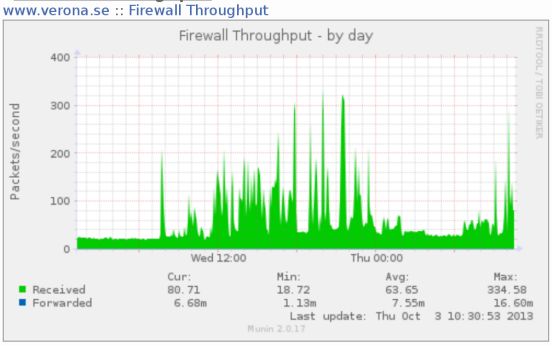
verona.se

Categories

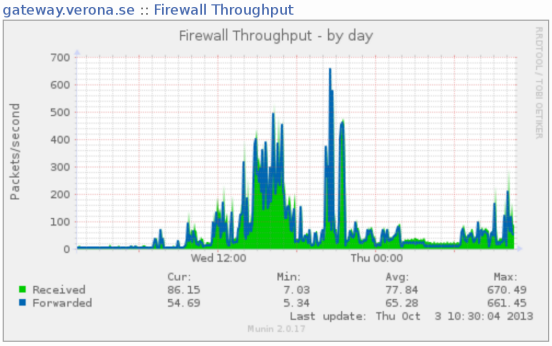
disk [d w m y]
network [d w m y]
nfs [d w m y]
postfix [d w m y]
printing [d w m y]
processes [d w m y]
sendmail [d w m y]
squid [d w m y]
system [d w m y]
time [d w m y]

Firewall Throughput

www.verona.se :: Firewall Throughput



gateway.verona.se :: Firewall Throughput



hotshot.verona.se :: Firewall Throughput

Firewall Throughput

Munin - Mozilla Firefox

Munin

https://www.verona.se:4443/munin/postfix-day.html

Most Visited | Release Notes | Fedora Project | Red Hat | Free Content

MUNIN Overview

Problems

Critical (0)
Warning (0)
Unknown (0)

Groups

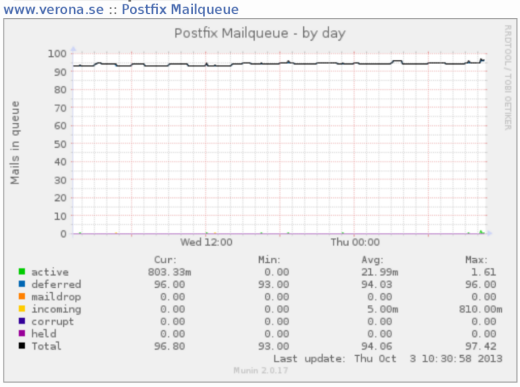
verona.se

Categories

disk [d w m y]
network [d w m y]
nfs [d w m y]
postfix [d w m y]
printing [d w m y]
processes [d w m y]
sendmail [d w m y]
squid [d w m y]
system [d w m y]
time [d w m y]

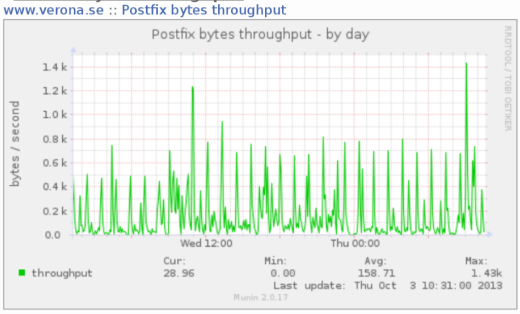
Postfix Mailqueue

www.verona.se :: Postfix Mailqueue

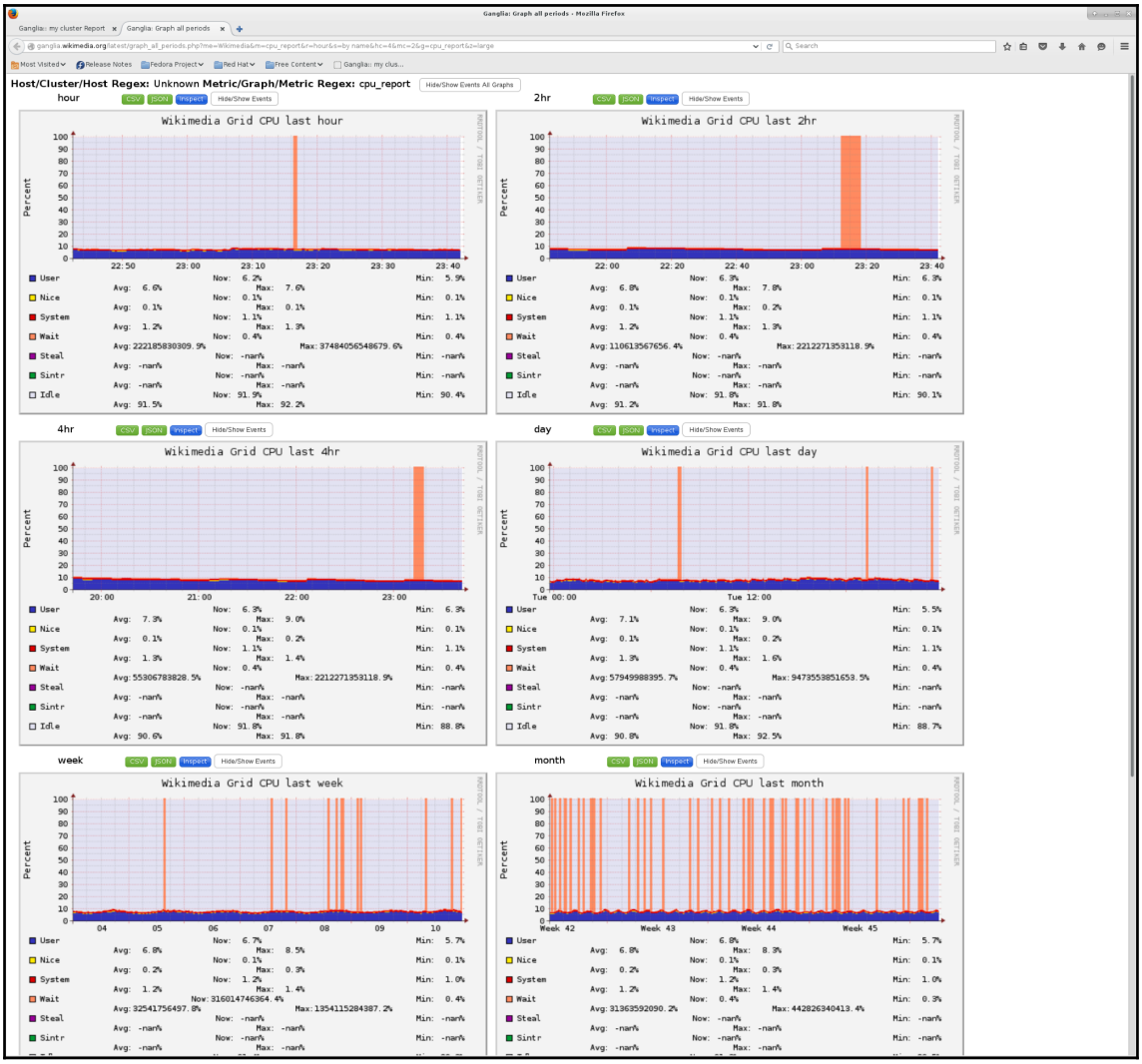


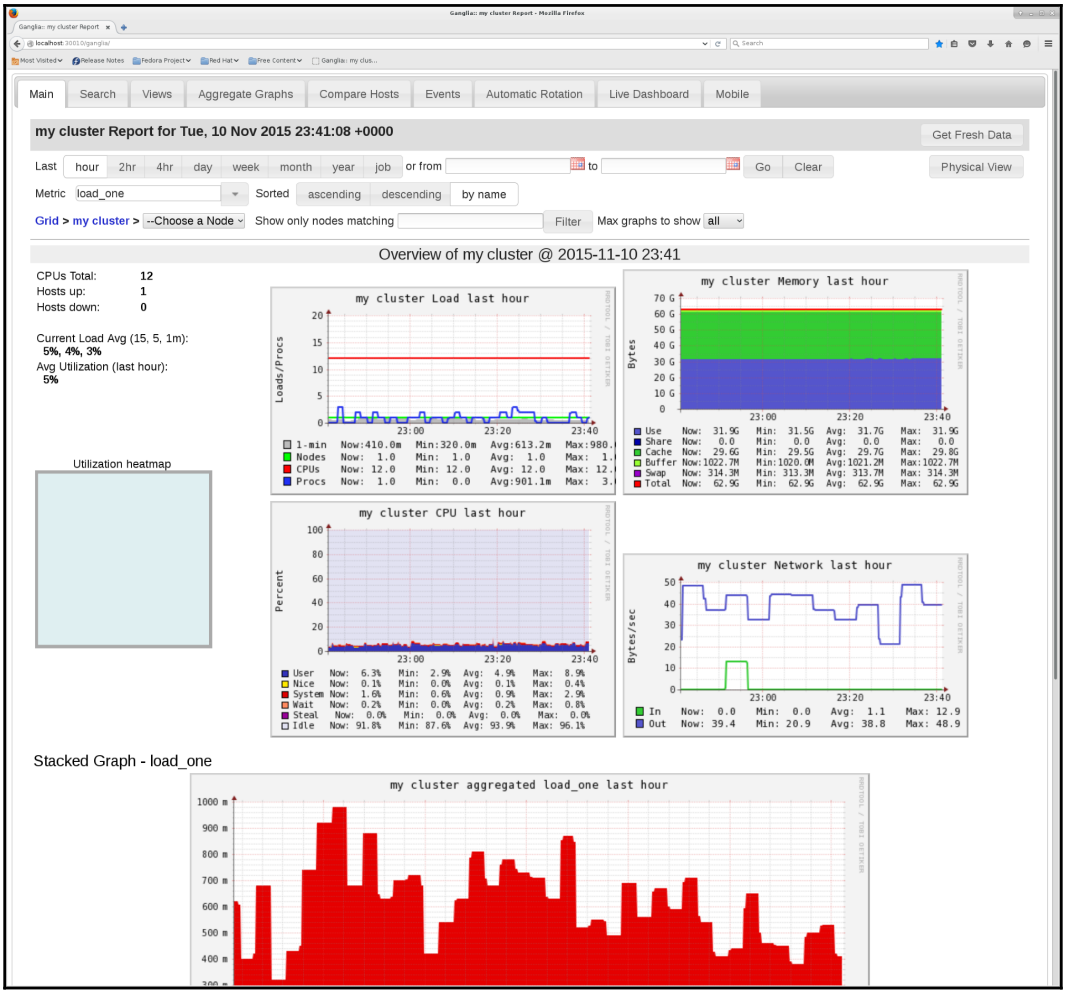
Postfix bytes throughput

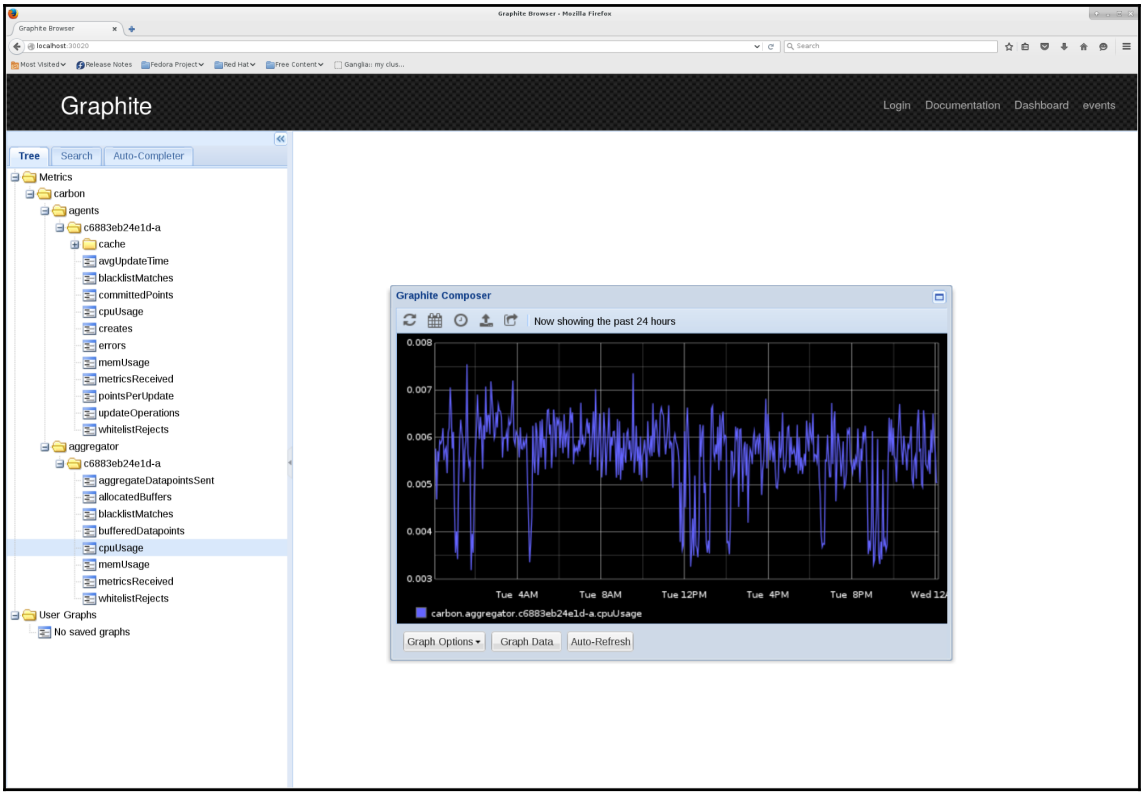
www.verona.se :: Postfix bytes throughput

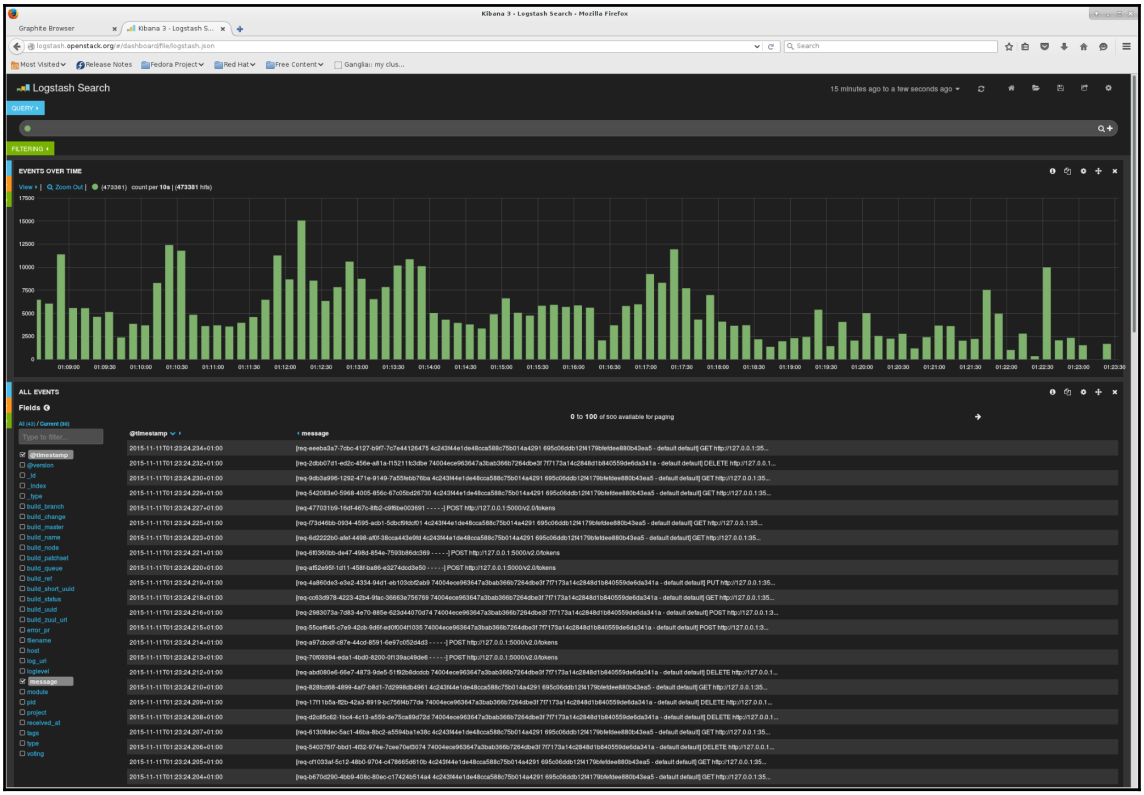


This page was generated by Munin version 2.0.17 at 2013-10-03 10:31:16+0200 (CEST).

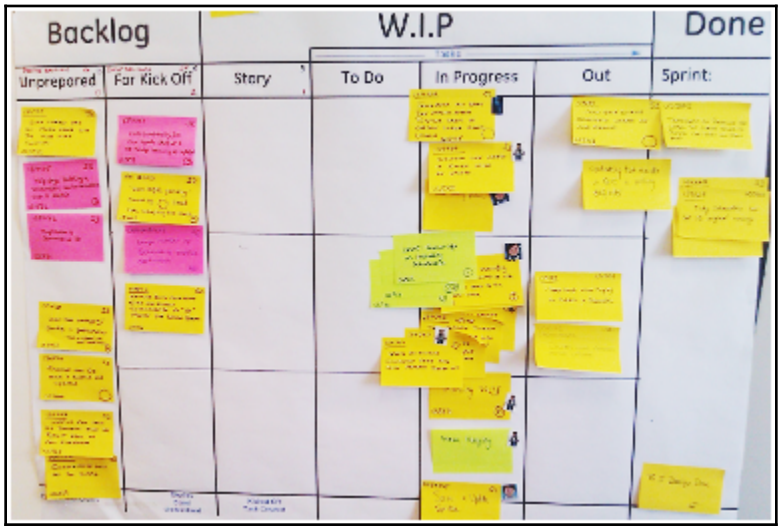

Ganglia: Graph all periods - Mozilla Firefox
Ganglia:: my cluster Report
Ganglia: Graph all periods
ganglia.wikimedia.org/stest/graph_all_periods.php?me=Wikimedia&m=cpu_report&r=hour&s=by name&hc=4&mc=2&g=cpu_report&z=large
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Ganglia:: my clus...
Host/Cluster/Host Regex: Unknown Metric/Graph/Metric Regex: cpu_report
Hide/Show Events All Graphs
hour
CSV
JSON
Inspect
Hide/Show Events
Wikimedia Grid CPU last hour
Percent
22:50
23:00
23:10
23:20
23:30
23:40
User Avg: 6.6% Now: 6.2% Max: 7.6% Min: 5.9%
Nice Avg: 0.1% Now: 0.1% Max: 0.1% Min: 0.1%
System Avg: 1.2% Now: 1.1% Max: 1.3% Min: 1.1%
Wait Avg: 222185830309.9% Now: 0.4% Max: 37484056548679.6% Min: 0.4%
Steal Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Sintr Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Idle Avg: 91.5% Now: 91.9% Max: 92.2% Min: 90.4%
2hr
Wikimedia Grid CPU last 2hr
22:00
22:20
22:40
23:00
23:20
23:40
User Avg: 6.8% Now: 6.3% Max: 7.8% Min: 6.3%
Nice Avg: 0.1% Now: 0.1% Max: 0.2% Min: 0.1%
System Avg: 1.2% Now: 1.1% Max: 1.3% Min: 1.1%
Wait Avg: 110613567656.4% Now: 0.4% Max: 2212271353118.9% Min: 0.4%
Steal Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Sintr Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Idle Avg: 91.2% Now: 91.8% Max: 91.8% Min: 90.1%
4hr
Wikimedia Grid CPU last 4hr
20:00
21:00
22:00
23:00
User Avg: 7.3% Now: 6.3% Max: 9.0% Min: 6.3%
Nice Avg: 0.1% Now: 0.1% Max: 0.2% Min: 0.1%
System Avg: 1.3% Now: 1.1% Max: 1.4% Min: 1.1%
Wait Avg: 55306783828.5% Now: 0.4% Max: 2212271353118.9% Min: 0.4%
Steal Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Sintr Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Idle Avg: 90.6% Now: 91.8% Max: 91.8% Min: 88.8%
day
Wikimedia Grid CPU last day
Tue 00:00
Tue 12:00
User Avg: 7.1% Now: 6.3% Max: 9.0% Min: 5.5%
Nice Avg: 0.1% Now: 0.1% Max: 0.2% Min: 0.1%
System Avg: 1.3% Now: 1.1% Max: 1.6% Min: 1.1%
Wait Avg: 57949988395.7% Now: 0.4% Max: 9473553851653.5% Min: 0.4%
Steal Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Sintr Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Idle Avg: 90.8% Now: 91.8% Max: 92.5% Min: 88.7%
week
Wikimedia Grid CPU last week
04
05
06
07
08
09
10
User Avg: 6.8% Now: 6.7% Max: 8.5% Min: 5.7%
Nice Avg: 0.2% Now: 0.1% Max: 0.3% Min: 0.1%
System Avg: 1.2% Now: 1.2% Max: 1.4% Min: 1.0%
Wait Avg: 32541756497.8% Now: 316014746364.4% Max: 1354115284387.2% Min: 0.4%
Steal Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Sintr Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
month
Wikimedia Grid CPU last month
Week 42
Week 43
Week 44
Week 45
User Avg: 6.8% Now: 6.8% Max: 8.3% Min: 5.7%
Nice Avg: 0.2% Now: 0.1% Max: 0.3% Min: 0.1%
System Avg: 1.2% Now: 1.2% Max: 1.4% Min: 1.0%
Wait Avg: 31963592090.2% Now: 0.4% Max: 442826340413.4% Min: 0.3%
Steal Avg: -nan% Now: -nan% Max: -nan% Min: -nan%
Sintr Avg: -nan% Now: -nan% Max: -nan% Min: -nan%

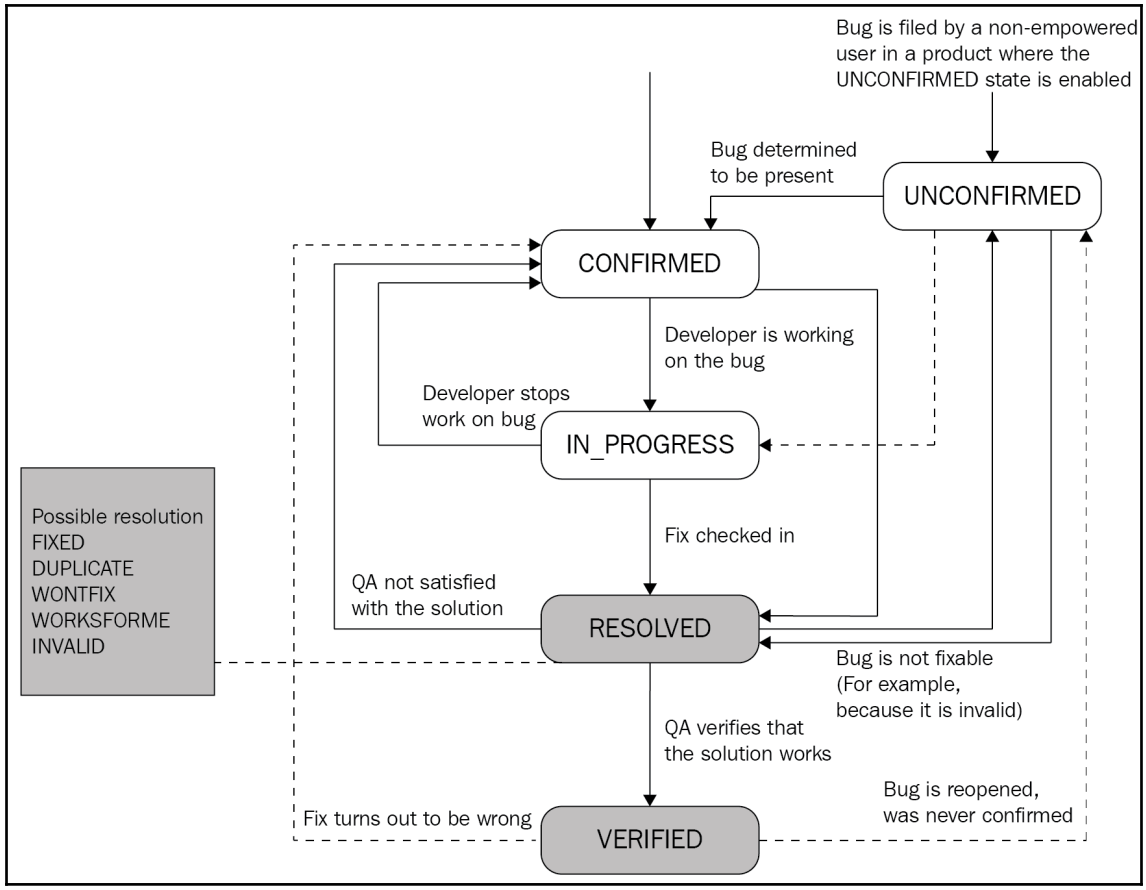

Ganglia: my cluster Report - Mozilla Firefox
Main
Search
Views
Aggregate Graphs
Compare Hosts
Events
Automatic Rotation
Live Dashboard
Mobile
my cluster Report for Tue, 10 Nov 2015 23:41:08 +0000
Get Fresh Data
Last
hour
2hr
4hr
day
week
month
year
job
or from
to
Go
Clear
Physical View
Metric
load_one
Sorted
ascending
descending
by name
Grid > my cluster >
--Choose a Node
Show only nodes matching
Filter
Max graphs to show
all
Overview of my cluster @ 2015-11-10 23:41
CPUs Total: 12
Hosts up: 1
Hosts down: 0
Current Load Avg (15, 5, 1m):
5%, 4%, 3%
Avg Utilization (last hour):
5%
Utilization heatmap
my cluster Load last hour
Loads/Procs
1-min Now:410.0m Min:320.0m Avg:613.2m Max:980.
Nodes Now: 1.0 Min: 1.0 Avg: 1.0 Max: 1.
CPUs Now: 12.0 Min: 12.0 Avg: 12.0 Max: 12.
Procs Now: 1.0 Min: 0.0 Avg:901.1m Max: 3.
my cluster Memory last hour
Bytes
Use Now: 31.9G Min: 31.5G Avg: 31.7G Max: 31.9G
Share Now: 0.0 Min: 0.0 Avg: 0.0 Max: 0.0
Cache Now: 29.6G Min: 29.5G Avg: 29.7G Max: 29.8G
Buffer Now:1022.7M Min:1020.0M Avg:1021.2M Max:1022.7M
Swap Now: 314.3M Min: 313.3M Avg: 313.7M Max: 314.3M
Total Now: 62.9G Min: 62.9G Avg: 62.9G Max: 62.9G
my cluster CPU last hour
Percent
User Now: 6.3% Min: 2.9% Avg: 4.9% Max: 8.9%
Nice Now: 0.1% Min: 0.0% Avg: 0.1% Max: 0.4%
System Now: 1.6% Min: 0.6% Avg: 0.9% Max: 2.9%
Wait Now: 0.2% Min: 0.0% Avg: 0.2% Max: 0.8%
Steal Now: 0.0% Min: 0.0% Avg: 0.0% Max: 0.0%
Idle Now: 91.8% Min: 87.6% Avg: 93.9% Max: 96.1%
my cluster Network last hour
Bytes/sec
In Now: 0.0 Min: 0.0 Avg: 1.1 Max: 12.9
Out Now: 39.4 Min: 20.9 Avg: 38.8 Max: 48.9
Stacked Graph - load_one
my cluster aggregated load_one last hour


Graphite Browser - Mozilla Firefox
Graphite Browser
localhost:30020
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Ganglia:: my clus...
Graphite
Login
Documentation
Dashboard
events
Tree
Search
Auto-Completer
Metrics
carbon
agents
c6883eb24e1d-a
cache
avgUpdateTime
blacklistMatches
committedPoints
cpuUsage
creates
errors
memUsage
metricsReceived
pointsPerUpdate
updateOperations
whitelistRejects
aggregator
c6883eb24e1d-a
aggregateDatapointsSent
allocatedBuffers
blacklistMatches
bufferedDatapoints
cpuUsage
memUsage
metricsReceived
whitelistRejects
User Graphs
No saved graphs
Graphite Composer
Now showing the past 24 hours
0.008
0.007
0.006
0.005
0.004
0.003
Tue 4AM
Tue 8AM
Tue 12PM
Tue 4PM
Tue 8PM
carbon.aggregator.c6883eb24e1d-a.cpuUsage
Graph Options
Graph Data
Auto-Refresh

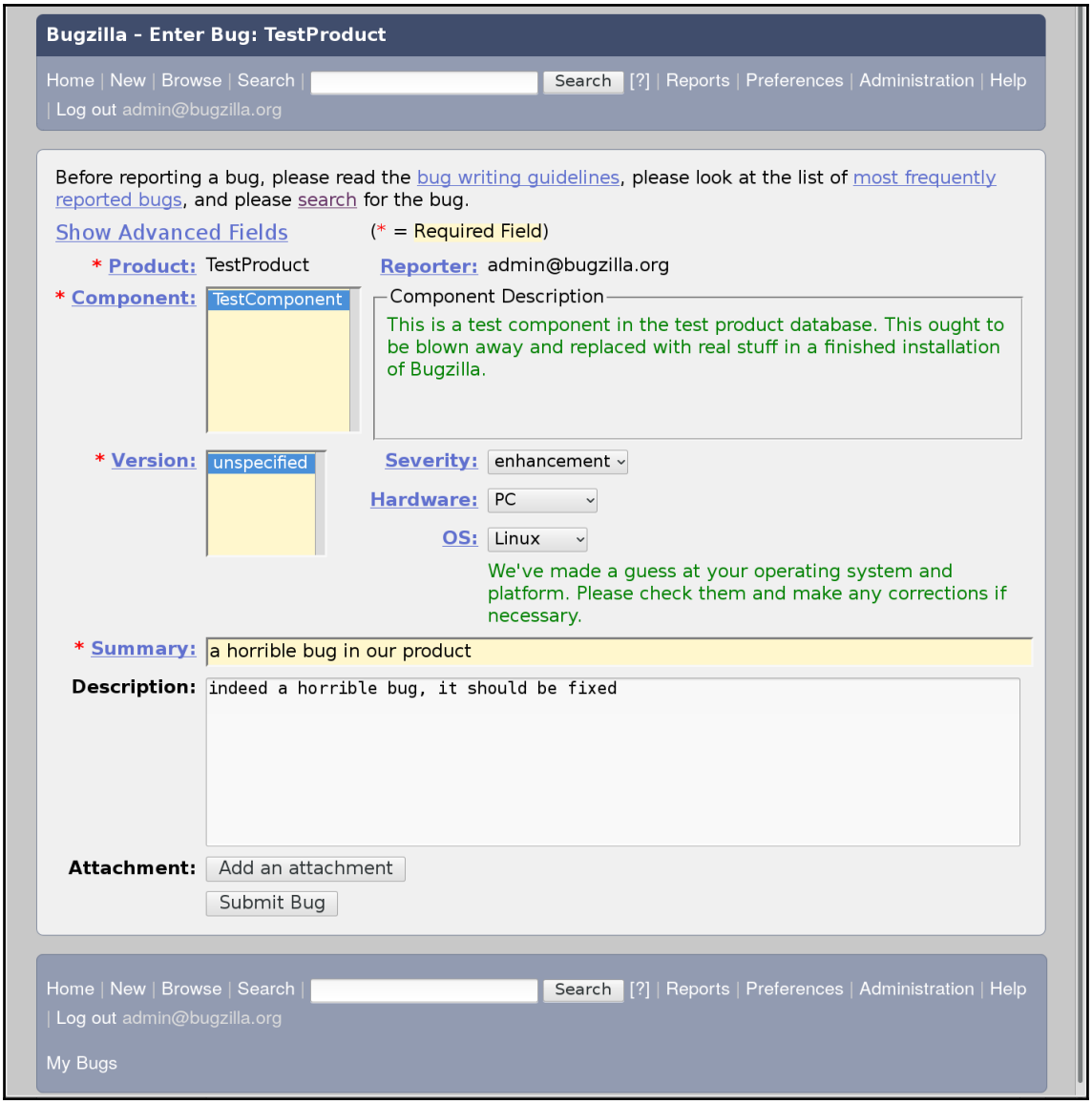

Kibana 3 - Logstash Search - Mozilla Firefox
Logstash Search
EVENTS OVER TIME
ALL EVENTS
Fields
@timestamp
message

Chapter 09: Issue Tracking




Bug is filed by a non-empowered user in a product where the UNCONFIRMED state is enabled
Bug determined to be present
UNCONFIRMED
CONFIRMED
Developer is working on the bug
Developer stops work on bug
IN_PROGRESS
Possible resolution
FIXED
DUPLICATE
WONTFIX
WORKSFORME
INVALID
Fix checked in
QA not satisfied with the solution
RESOLVED
Bug is not fixable (For example, because it is invalid)
QA verifies that the solution works
Bug is reopened, was never confirmed
Fix turns out to be wrong
VERIFIED

Bugzilla - Main Page
version 4.4.9+
Home | New | Browse | Search | Search [?] | Reports | New Account | Log In | Forgot Password
Welcome to Bugzilla
File a Bug
Search
Open a New Account
Enter a bug # or some search terms
Quick Search
Quick Search help | Install the Quick Search plugin
Bugzilla User's Guide | Release Notes
Home | New | Browse | Search | Search [?] | Reports | New Account | Log In | Forgot Password


Bugzilla - Enter Bug: TestProduct
Home | New | Browse | Search | Search [?] | Reports | Preferences | Administration | Help
| Log out admin@bugzilla.org
Before reporting a bug, please read the bug writing guidelines, please look at the list of most frequently reported bugs, and please search for the bug.
Show Advanced Fields
(* = Required Field)
* Product: TestProduct
Reporter: admin@bugzilla.org
* Component: TestComponent
Component Description
This is a test component in the test product database. This ought to be blown away and replaced with real stuff in a finished installation of Bugzilla.
* Version: unspecified
Severity: enhancement
Hardware: PC
OS: Linux
We've made a guess at your operating system and platform. Please check them and make any corrections if necessary.
* Summary: a horrible bug in our product
Description: indeed a horrible bug, it should be fixed
Attachment: Add an attachment
Submit Bug
Home | New | Browse | Search | Search [?] | Reports | Preferences | Administration | Help
| Log out admin@bugzilla.org
My Bugs

First Last Prev Next This bug is not in your last search results.

Bug 1 - a horrible bug in our product (edit) Save Changes

Status: CONFIRMED (edit)

Product: TestProduct
Component: TestComponent
Version: unspecified
Hardware: PC Linux

Importance: --- enhancement
Assigned To: Admin (edit)

Reported: 2015-11-29 21:01 UTC by Admin
Modified: 2015-11-29 21:02 UTC (History)
CC List: Add me to CC list
0 users (edit)

See Also: (add)

URL:
Tags:

Depends on:
Blocks:
Show dependency tree / graph

Orig. Est.:	Current Est.:	Hours Worked:	Hours Left:	%Complete:	Gain:	Deadline:
0.0	0.0	0.0 + 0	0.0	0	0.0	

Summarize time (including time for bugs blocking this bug)

Attachments

Add an attachment (proposed patch, testcase, etc.)

Additional Comments:

Status: CONFIRMED Save Changes
Mark as Duplicate

Collapse All Comments
Expand All Comments

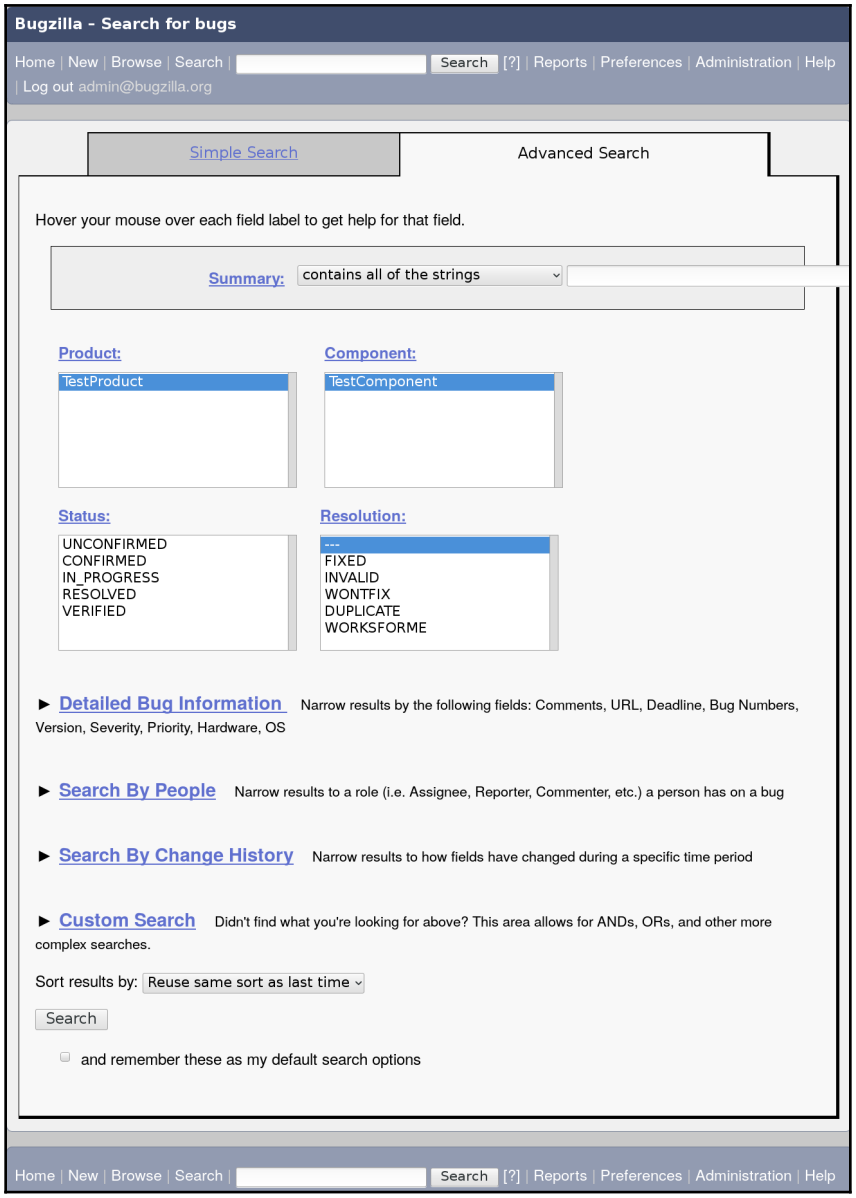
Admin **2015-11-29 21:01:51 UTC** Description [reply] [−]

```
indeed a horrible bug, it should be fixed
```

Admin **2015-11-29 21:02:09 UTC** Comment 1 [reply] [−]

```
we agree this bug is pretty bad
```

Add Comment


Bugzilla - Search for bugs
Home | New | Browse | Search | Search [?] | Reports | Preferences | Administration | Help
| Log out admin@bugzilla.org
Simple Search
Advanced Search
Hover your mouse over each field label to get help for that field.
Summary:
contains all of the strings
Product:
TestProduct
Component:
TestComponent
Status:
UNCONFIRMED
CONFIRMED
IN_PROGRESS
RESOLVED
VERIFIED
Resolution:

FIXED
INVALID
WONTFIX
DUPLICATE
WORKSFORME
► Detailed Bug Information Narrow results by the following fields: Comments, URL, Deadline, Bug Numbers, Version, Severity, Priority, Hardware, OS
► Search By People Narrow results to a role (i.e. Assignee, Reporter, Commenter, etc.) a person has on a bug
► Search By Change History Narrow results to how fields have changed during a specific time period
► Custom Search Didn't find what you're looking for above? This area allows for ANDs, ORs, and other more complex searches.
Sort results by:
Reuse same sort as last time
Search
and remember these as my default search options
Home | New | Browse | Search | Search [?] | Reports | Preferences | Administration | Help

Search

logged in as admin | Logout | Preferences | Help/Guide | About Trac

Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search | Admin | Tags

wiki: WikiStart

Start Page | Index | History

Welcome to Trac 1.0.2

Trac is a **minimalistic** approach to **web-based** management of **software projects**. Its goal is to simplify effective tracking and handling of software issues, enhancements and overall progress.

All aspects of Trac have been designed with the single goal to **help developers write great software** while **staying out of the way** and imposing as little as possible on a team's established process and culture.

As all Wiki pages, this page is editable, this means that you can modify the contents of this page simply by using your web-browser. Simply click on the "Edit this page" link at the bottom of the page. WikiFormatting will give you a detailed description of available Wiki formatting commands.

"trac-admin *yourenvdir* initenv" created a new Trac environment, containing a default set of wiki pages and some sample data. This newly created environment also contains documentation to help you get started with your project.

You can use trac-admin to configure Trac to better fit your project, especially in regard to *components*, *versions* and *milestones*.

TracGuide is a good place to start.

Enjoy!
The Trac Team

Starting Points

- TracGuide -- Built-in Documentation
- The Trac project -- Trac Open Source Project
- Trac FAQ -- Frequently Asked Questions
- TracSupport -- Trac Support

For a complete list of local wiki pages, see TitleIndex.

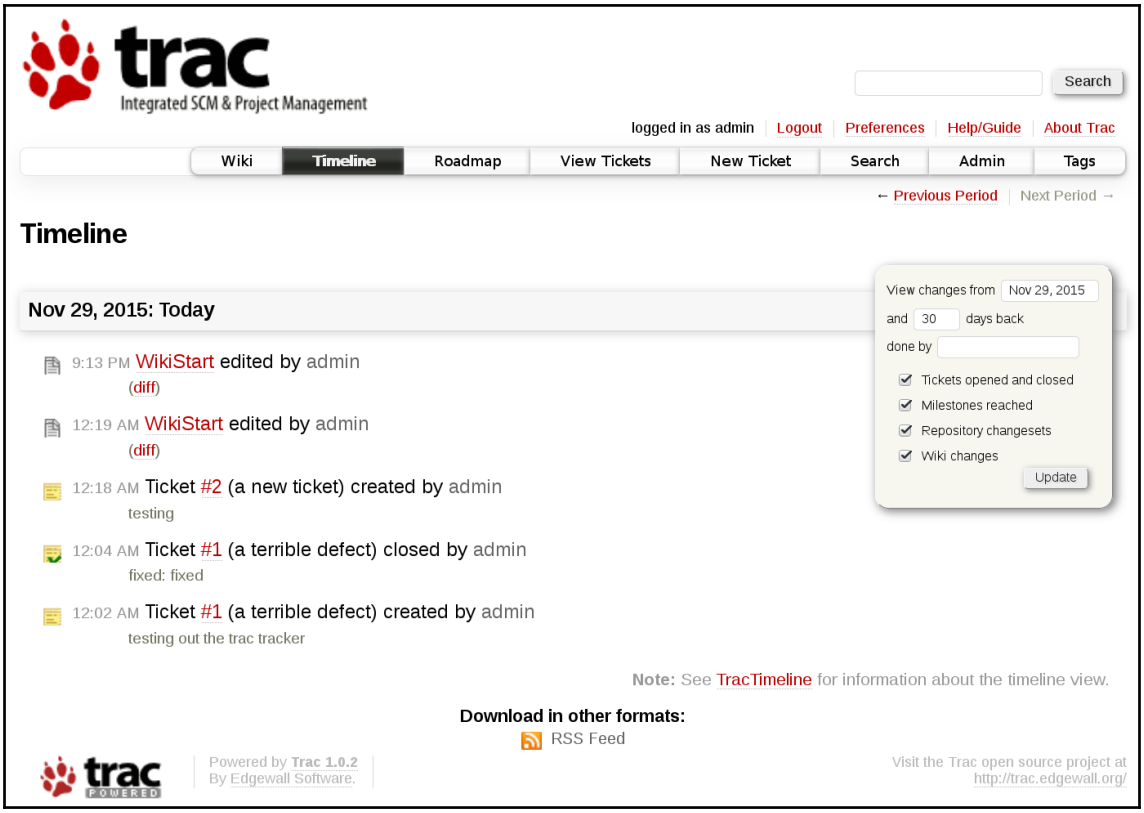
Last modified 18 seconds ago

Edit this page | Attach file | Rename page | Delete this version | Delete page

Download in other formats:
Plain Text

Powered by **Trac 1.0.2**
By Edgewall Software.

Visit the Trac open source project at
http://trac.edgewall.org/


trac
Integrated SCM & Project Management
Search
logged in as admin | Logout | Preferences | Help/Guide | About Trac
Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search | Admin | Tags
← Previous Period | Next Period →
Timeline
Nov 29, 2015: Today
View changes from Nov 29, 2015
and 30 days back
done by
Tickets opened and closed
Milestones reached
Repository changesets
Wiki changes
Update
9:13 PM WikiStart edited by admin
(diff)
12:19 AM WikiStart edited by admin
(diff)
12:18 AM Ticket #2 (a new ticket) created by admin
testing
12:04 AM Ticket #1 (a terrible defect) closed by admin
fixed: fixed
12:02 AM Ticket #1 (a terrible defect) created by admin
testing out the trac tracker
Note: See TracTimeline for information about the timeline view.
Download in other formats:
RSS Feed
trac
POWERED
Powered by Trac 1.0.2
By Edgewall Software.
Visit the Trac open source project at
http://trac.edgewall.org/

Search

logged in as admin | Logout | Preferences | Help/Guide | About Trac

Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search | Admin | Tags

Roadmap

Show completed milestones
Hide milestones with no due date
Update

Milestone: a milestone

No date set

Milestone: milestone1

No date set

0%

Total number of tickets: 1 - closed: 0 - active: 1

Milestone: milestone2

No date set

Milestone: milestone3

No date set

Milestone: milestone4

No date set

Add new milestone

Note: See TracRoadmap for help on using the roadmap.

Download in other formats:

iCalendar

Search

logged in as admin | Logout | Preferences | Help/Guide | About Trac

Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search | Admin | Tags

Roadmap

Show completed milestones
Hide milestones with no due date
Update

Milestone: a milestone

No date set

Milestone: milestone1

No date set

0%

Total number of tickets: 1 - closed: 0 - active: 1

Milestone: milestone2

No date set

Milestone: milestone3

No date set

Milestone: milestone4

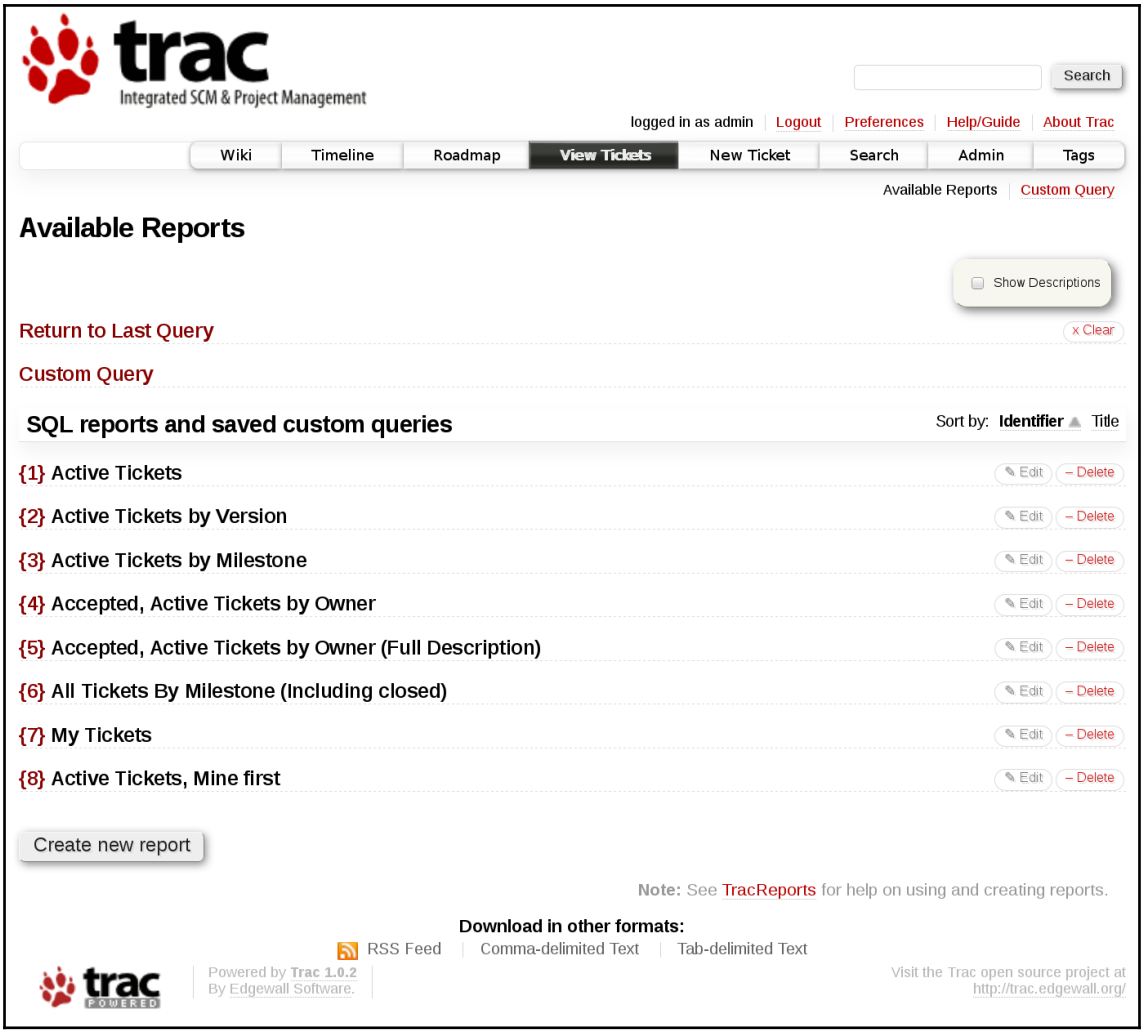
No date set

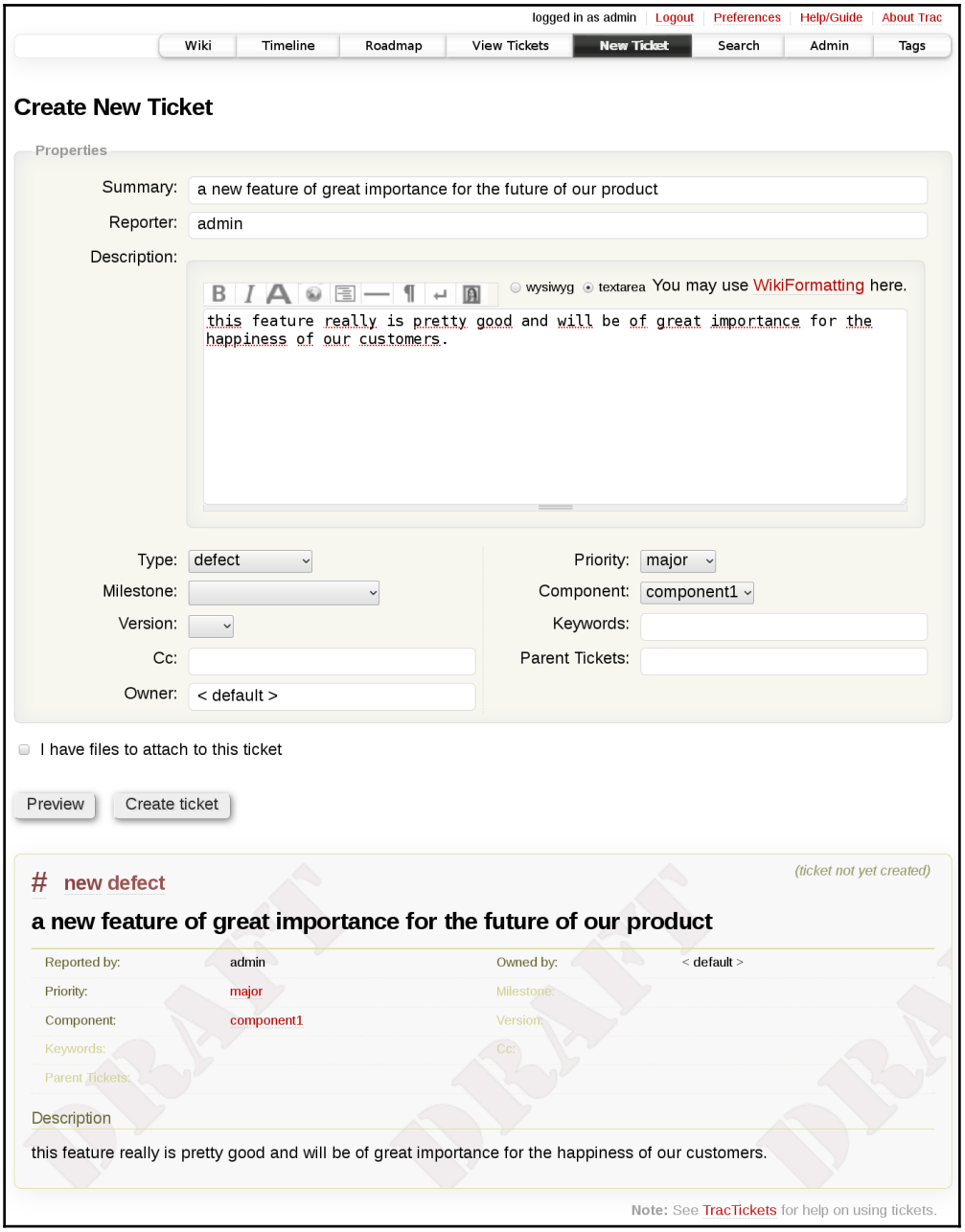
Add new milestone

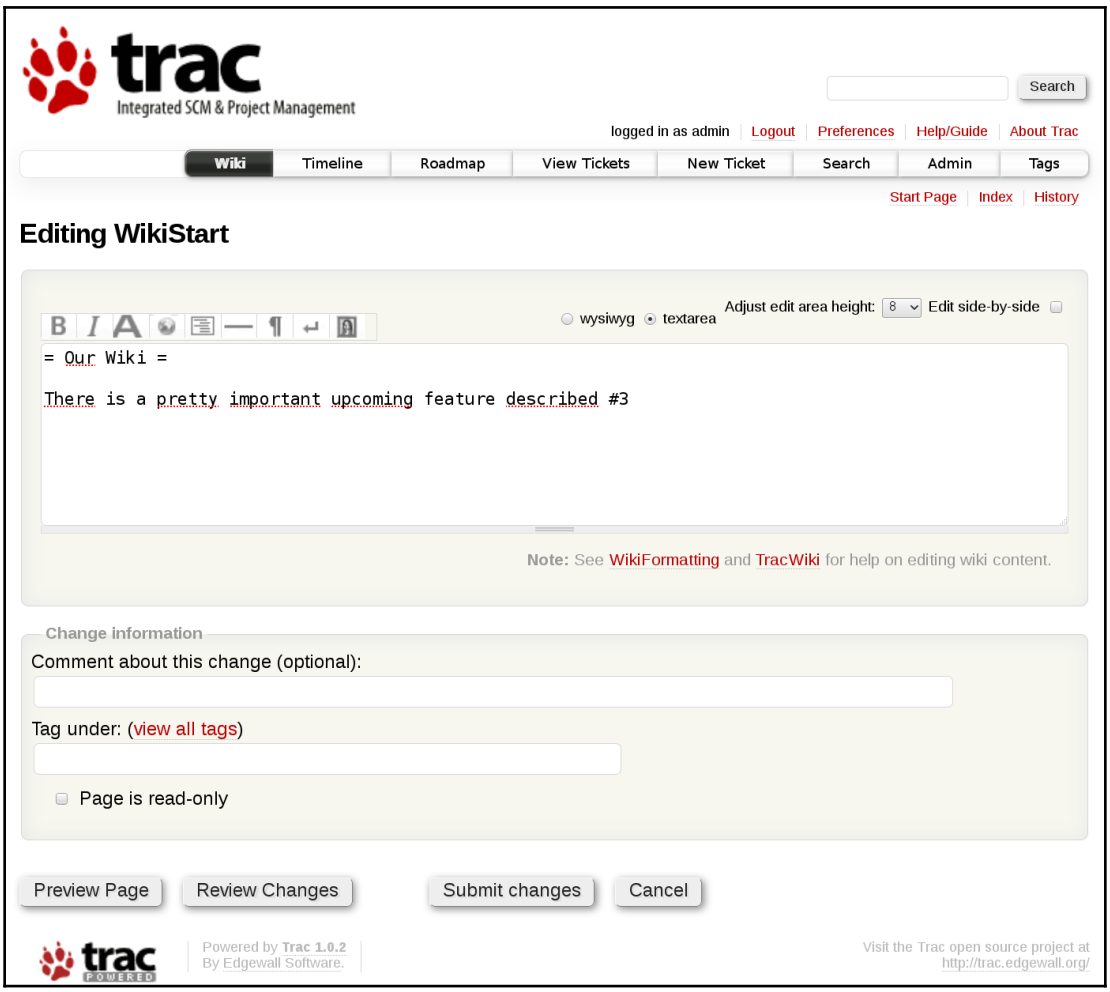
Note: See TracRoadmap for help on using the roadmap.

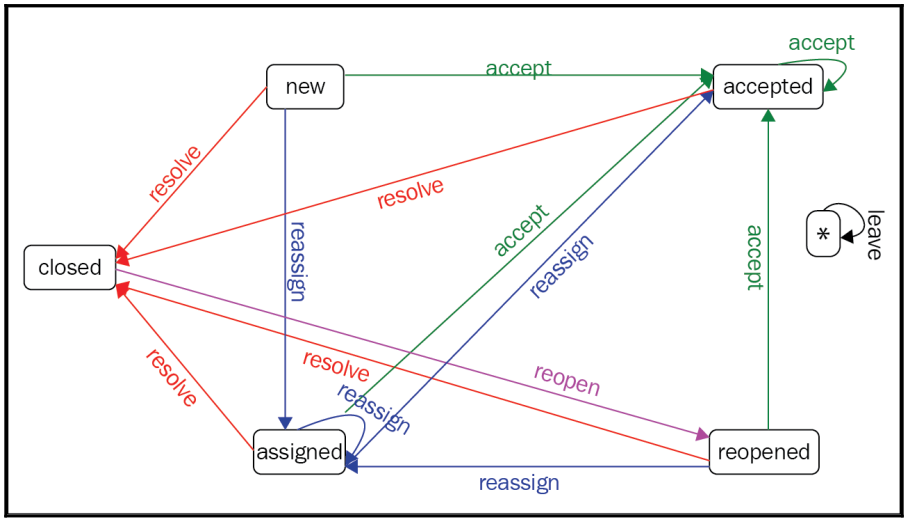
Download in other formats:

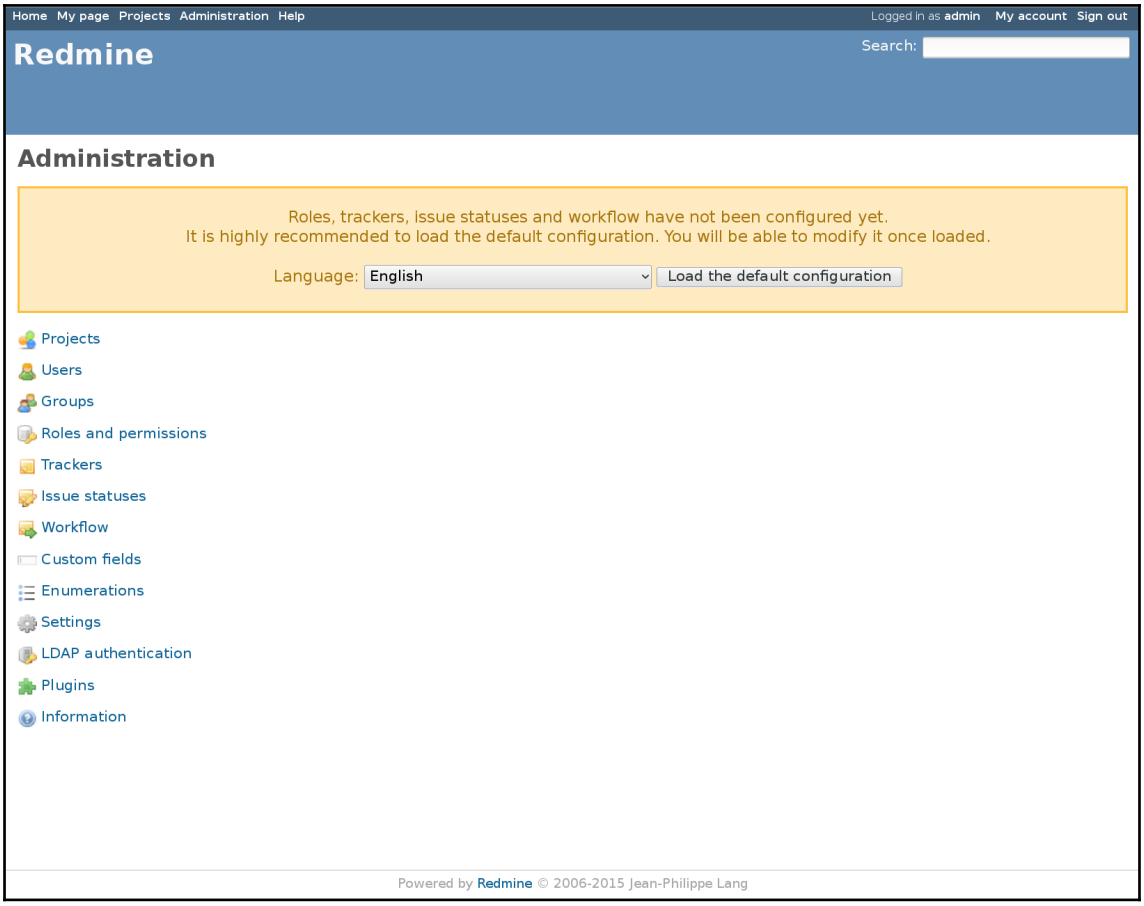
iCalendar

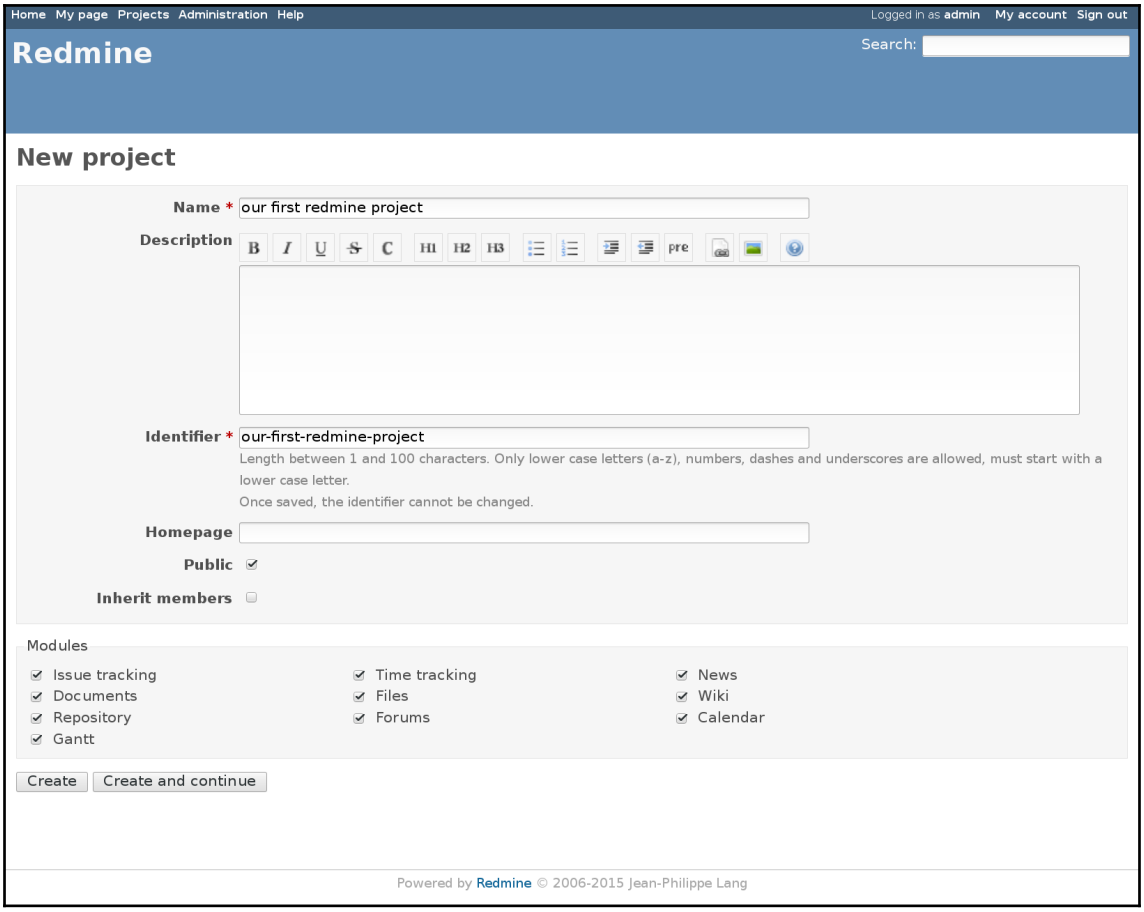

trac
Integrated SCM & Project Management
Search
logged in as admin | Logout | Preferences | Help/Guide | About Trac
Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search | Admin | Tags
Available Reports | Custom Query
Available Reports
Show Descriptions
Return to Last Query
x Clear
Custom Query
SQL reports and saved custom queries
Sort by: Identifier Title
{1} Active Tickets
{2} Active Tickets by Version
{3} Active Tickets by Milestone
{4} Accepted, Active Tickets by Owner
{5} Accepted, Active Tickets by Owner (Full Description)
{6} All Tickets By Milestone (Including closed)
{7} My Tickets
{8} Active Tickets, Mine first
Edit
Delete
Create new report
Note: See TracReports for help on using and creating reports.
Download in other formats:
RSS Feed | Comma-delimited Text | Tab-delimited Text
trac POWERED
Powered by Trac 1.0.2
By Edgewall Software.
Visit the Trac open source project at
http://trac.edgewall.org/


logged in as admin | Logout | Preferences | Help/Guide | About Trac
Wiki | Timeline | Roadmap | View Tickets | New Ticket | Search | Admin | Tags
Create New Ticket
Properties
Summary: a new feature of great importance for the future of our product
Reporter: admin
Description:
wysiwyg textarea You may use WikiFormatting here.
this feature really is pretty good and will be of great importance for the happiness of our customers.
Type: defect
Priority: major
Milestone:
Component: component1
Version:
Keywords:
Cc:
Parent Tickets:
Owner: < default >
I have files to attach to this ticket
Preview
Create ticket
(ticket not yet created)
new defect
a new feature of great importance for the future of our product
Reported by: admin
Owned by: < default >
Priority: major
Milestone:
Component: component1
Version:
Keywords:
Cc:
Parent Tickets:
Description
this feature really is pretty good and will be of great importance for the happiness of our customers.
Note: See TracTickets for help on using tickets.


trac
Integrated SCM & Project Management
Search
logged in as admin | Logout | Preferences | Help/Guide | About Trac
Wiki
Timeline
Roadmap
View Tickets
New Ticket
Search
Admin
Tags
Start Page | Index | History
Editing WikiStart
wysiwyg
textarea
Adjust edit area height: 8
Edit side-by-side
= Our Wiki =
There is a pretty important upcoming feature described #3
Note: See WikiFormatting and TracWiki for help on editing wiki content.
Change information
Comment about this change (optional):
Tag under: (view all tags)
Page is read-only
Preview Page
Review Changes
Submit changes
Cancel
Powered by Trac 1.0.2
By Edgewall Software.
Visit the Trac open source project at
http://trac.edgewall.org/


new
accepted
closed
assigned
reopened
accept
accept
resolve
resolve
reassign
accept
reassign
accept
*
leave
resolve
resolve
reopen
reassign
reassign


Home My page Projects Administration Help
Logged in as admin My account Sign out
Redmine
Search:
Administration
Roles, trackers, issue statuses and workflow have not been configured yet.
It is highly recommended to load the default configuration. You will be able to modify it once loaded.
Language: English
Load the default configuration
Projects
Users
Groups
Roles and permissions
Trackers
Issue statuses
Workflow
Custom fields
Enumerations
Settings
LDAP authentication
Plugins
Information
Powered by Redmine © 2006-2015 Jean-Philippe Lang


Home My page Projects Administration Help
Logged in as admin My account Sign out
Redmine
Search:
New project
Name *
our first redmine project
Description
Identifier *
our-first-redmine-project
Length between 1 and 100 characters. Only lower case letters (a-z), numbers, dashes and underscores are allowed, must start with a lower case letter.
Once saved, the identifier cannot be changed.
Homepage
Public
Inherit members
Modules
Issue tracking
Time tracking
News
Documents
Files
Wiki
Repository
Forums
Calendar
Gantt
Create
Create and continue
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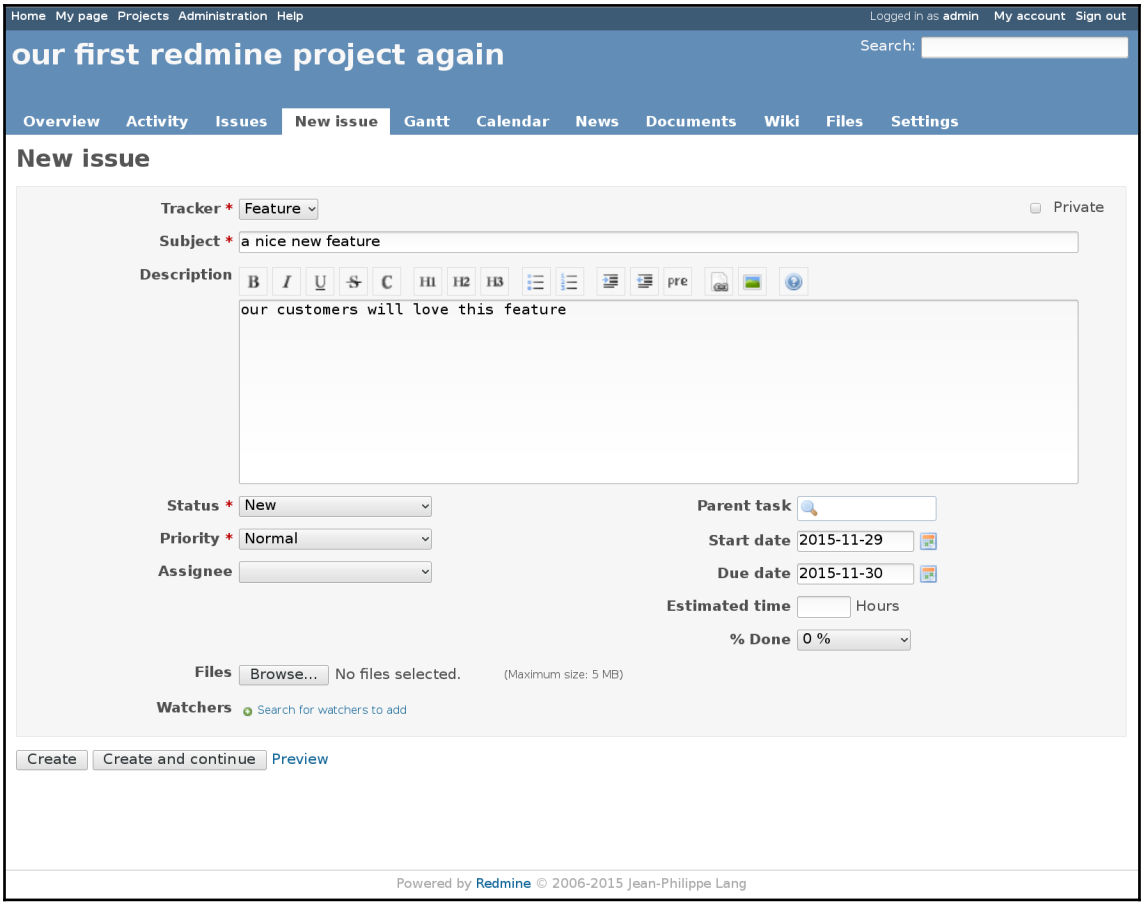
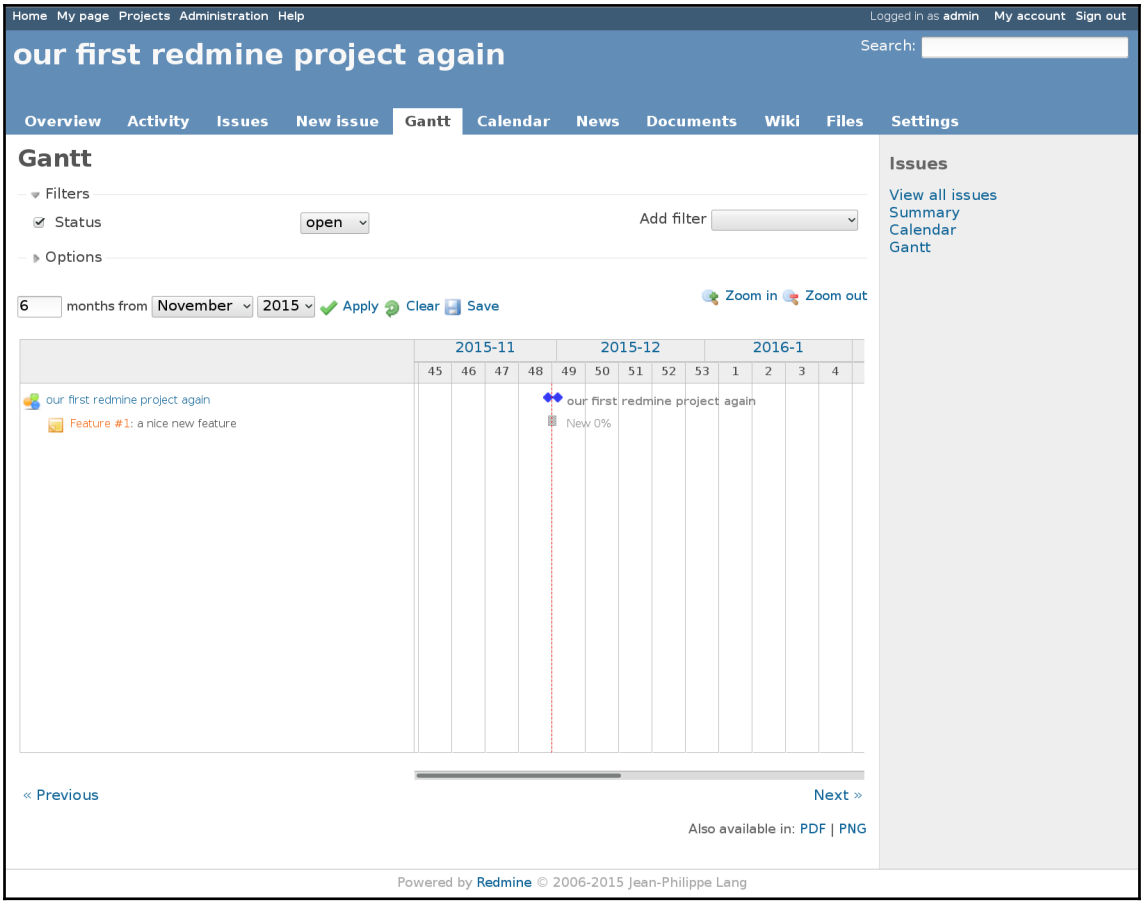
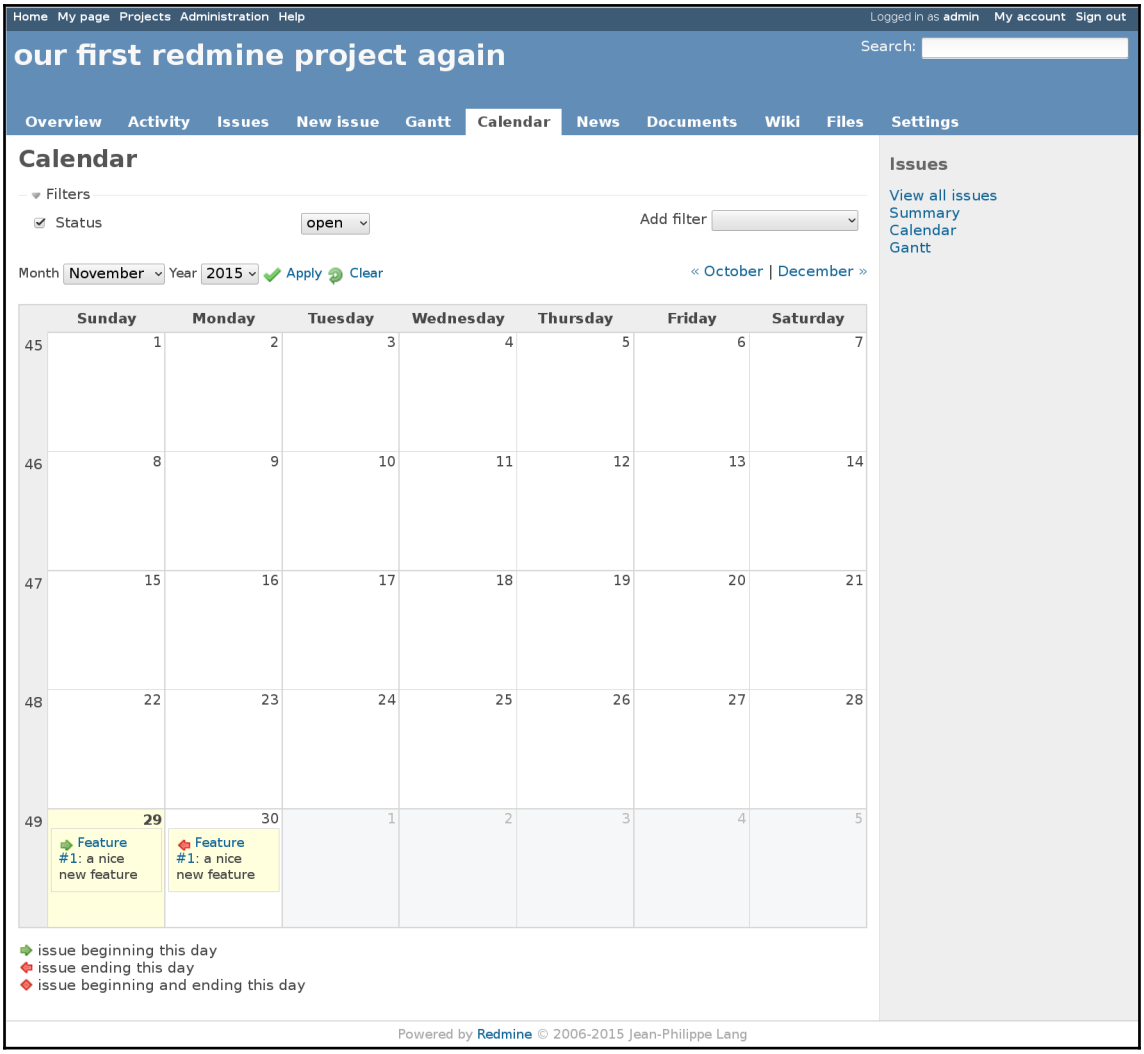

Home My page Projects Administration Help
Logged in as admin My account Sign out
our first redmine project again
Search:
Overview Activity Issues New issue Gantt Calendar News Documents Wiki Files Settings
New issue
Tracker * Feature
Private
Subject * a nice new feature
Description
our customers will love this feature
Status * New
Priority * Normal
Assignee
Parent task
Start date 2015-11-29
Due date 2015-11-30
Estimated time Hours
% Done 0 %
Files Browse... No files selected. (Maximum size: 5 MB)
Watchers Search for watchers to add
Create Create and continue Preview
Powered by Redmine © 2006-2015 Jean-Philippe Lang


Home My page Projects Administration Help
Logged in as admin My account Sign out
our first redmine project again
Search:
Overview Activity Issues New issue Gantt Calendar News Documents Wiki Files Settings
Gantt
Filters
Status open
Add filter
Options
6 months from November 2015 Apply Clear Save
Zoom in Zoom out
2015-11 2015-12 2016-1
45 46 47 48 49 50 51 52 53 1 2 3 4
our first redmine project again
Feature #1: a nice new feature
our first redmine project again
New 0%
« Previous
Next »
Also available in: PDF | PNG
Issues
View all issues
Summary
Calendar
Gantt
Powered by Redmine © 2006-2015 Jean-Philippe Lang


Home My page Projects Administration Help
Logged in as admin My account Sign out
our first redmine project again
Search:
Overview Activity Issues New issue Gantt Calendar News Documents Wiki Files Settings
Calendar
Filters
Status open
Add filter
Month November Year 2015 Apply Clear
« October | December »
Sunday Monday Tuesday Wednesday Thursday Friday Saturday
45 1 2 3 4 5 6 7
46 8 9 10 11 12 13 14
47 15 16 17 18 19 20 21
48 22 23 24 25 26 27 28
49 29 30 1 2 3 4 5
Feature #1: a nice new feature
Feature #1: a nice new feature
issue beginning this day
issue ending this day
issue beginning and ending this day
Issues
View all issues
Summary
Calendar
Gantt
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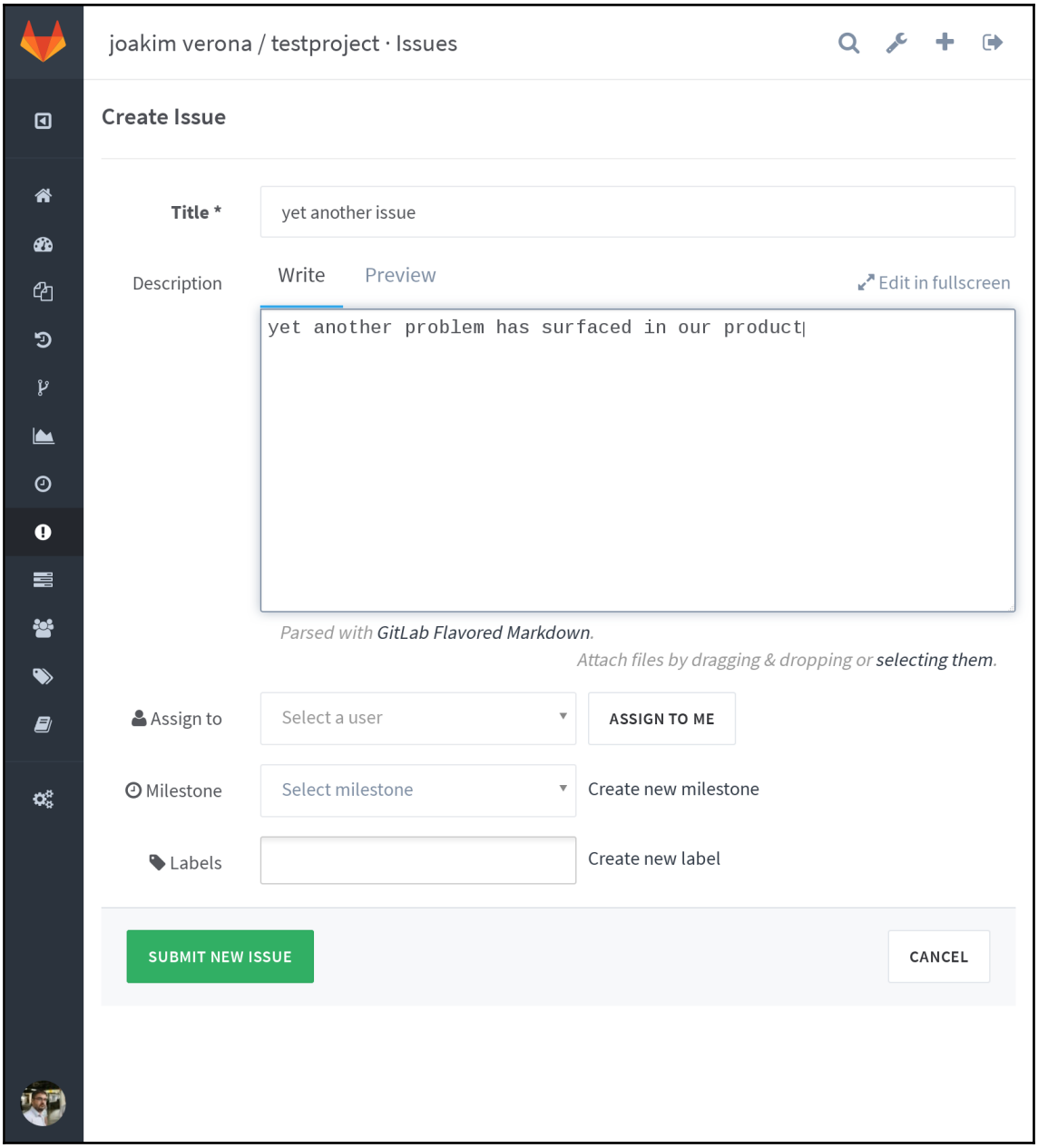
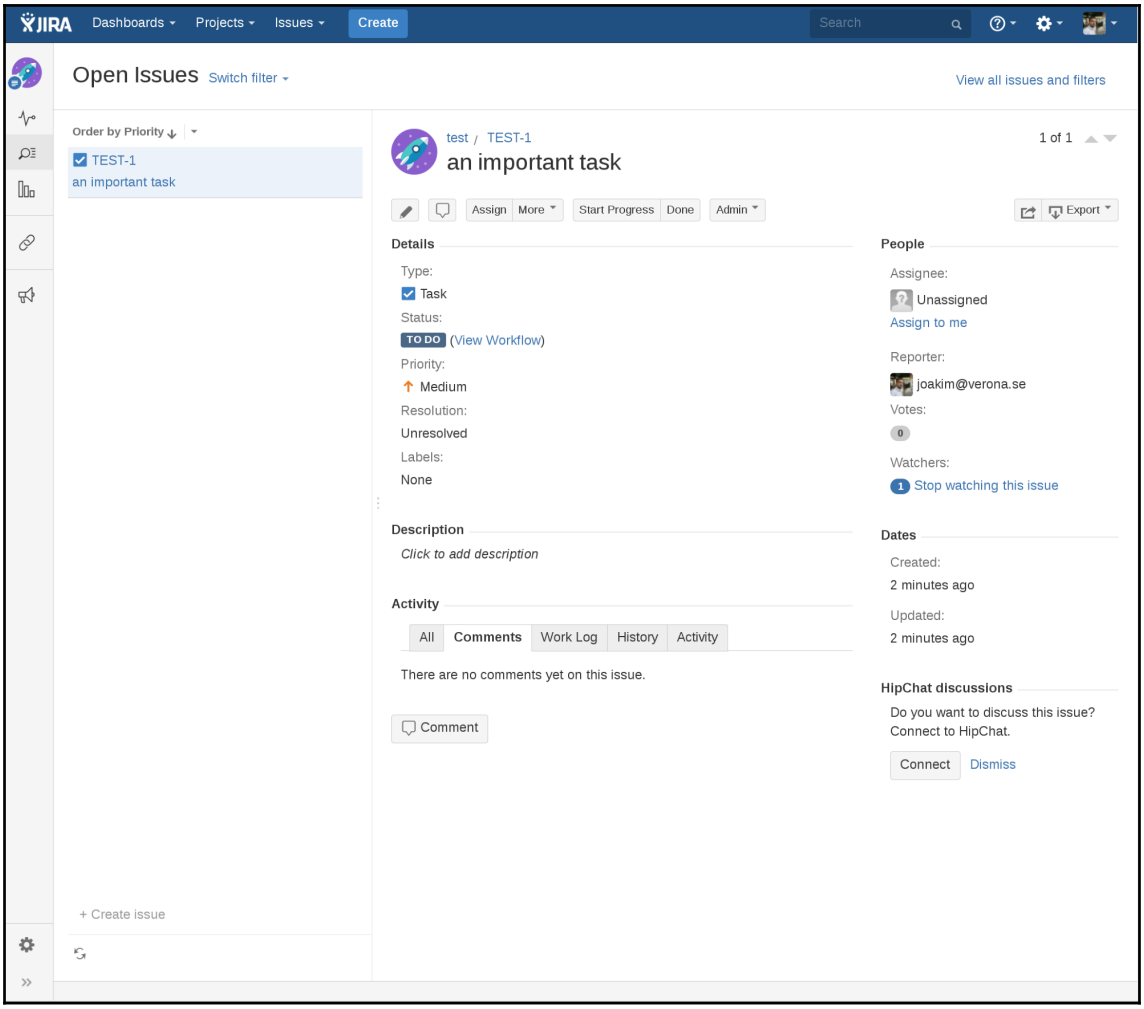
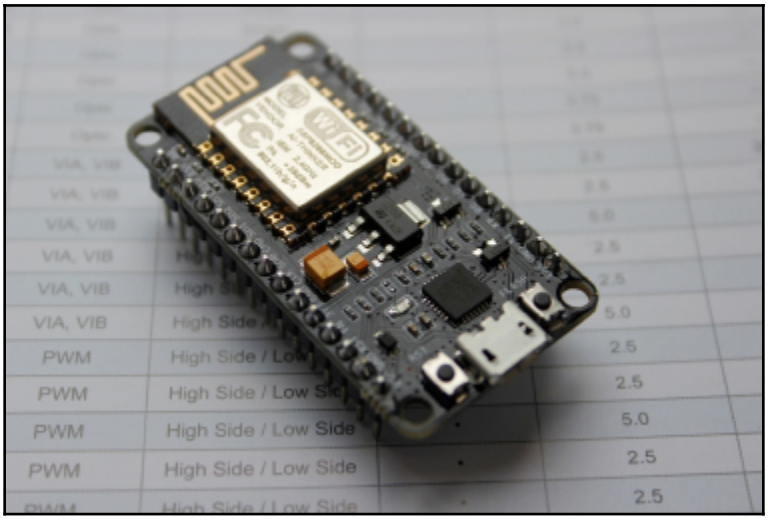

joakim verona / testproject · Issues
Create Issue
Title *
yet another issue
Description
Write
Preview
Edit in fullscreen
yet another problem has surfaced in our product
Parsed with GitLab Flavored Markdown.
Attach files by dragging & dropping or selecting them.
Assign to
Select a user
ASSIGN TO ME
Milestone
Select milestone
Create new milestone
Labels
Create new label
SUBMIT NEW ISSUE
CANCEL


JIRA
Dashboards
Projects
Issues
Create
Search
Open Issues
Switch filter
View all issues and filters
Order by Priority
TEST-1
an important task
+ Create issue
test / TEST-1
an important task
1 of 1
Assign
More
Start Progress
Done
Admin
Export
Details
Type:
Task
Status:
TO DO (View Workflow)
Priority:
Medium
Resolution:
Unresolved
Labels:
None
Description
Click to add description
Activity
All
Comments
Work Log
History
Activity
There are no comments yet on this issue.
Comment
People
Assignee:
Unassigned
Assign to me
Reporter:
joakim@verona.se
Votes:
0
Watchers:
1 Stop watching this issue
Dates
Created:
2 minutes ago
Updated:
2 minutes ago
HipChat discussions
Do you want to discuss this issue? Connect to HipChat.
Connect
Dismiss

Chapter 10: The Internet of Things and DevOps



verjo@localhost:/home/verjo

Arkiv Redigera Visa Sök Terminal Hjälp

```
NodeMCU 0.9.6 build 20150704  powered by Lua 5.1.4
lua: cannot open init.lua
>
```