

DEVOPS PART 4: CI / CD

MANISH KUMAR THAKUR
MTHAKUR@XEBIA.COM

CHECKLIST: CONTINUOUS DELIVERY 1/2

- ☐ The process for releasing/deploying software MUST be repeatable and reliable.
- ☐ Automate everything!
- ☐ If somethings difficult or painful, do it more often.
- ☐ Keep everything in source control
- ☐ Done means “released”.
- ☐ Quality is built in the process.
- ☐ Everybody has responsibility for the release process.
- ☐ Improve continuously.

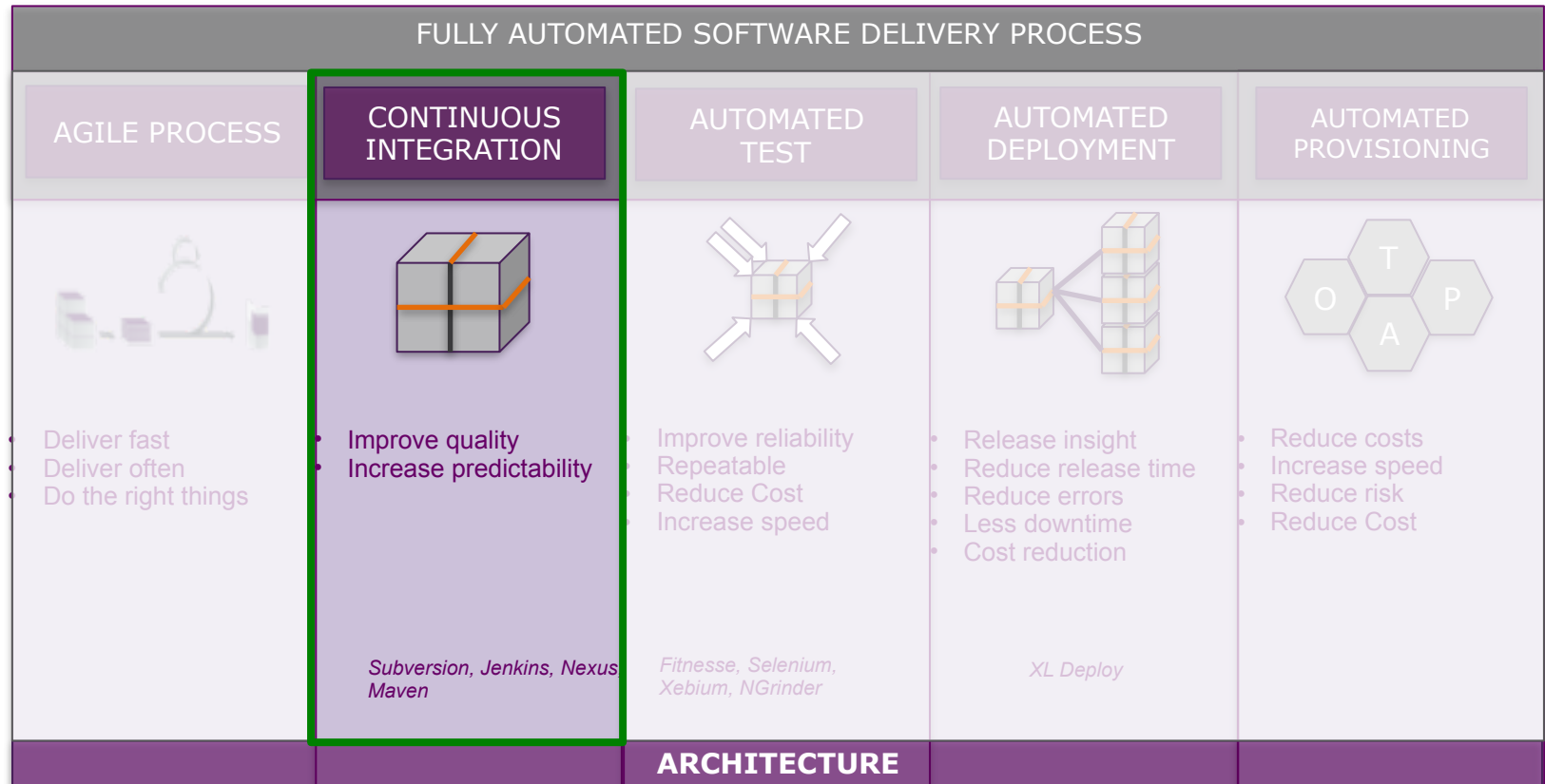


CHECKLIST: CONTINUOUS DELIVERY 2/2

- ☐ Build binaries only once.
- ☐ Use precisely the same mechanism to deploy to every environment.
- ☐ Smoke test your deployment.
- ☐ If anything fails, stop the line!



AUTOMATED BUILDS



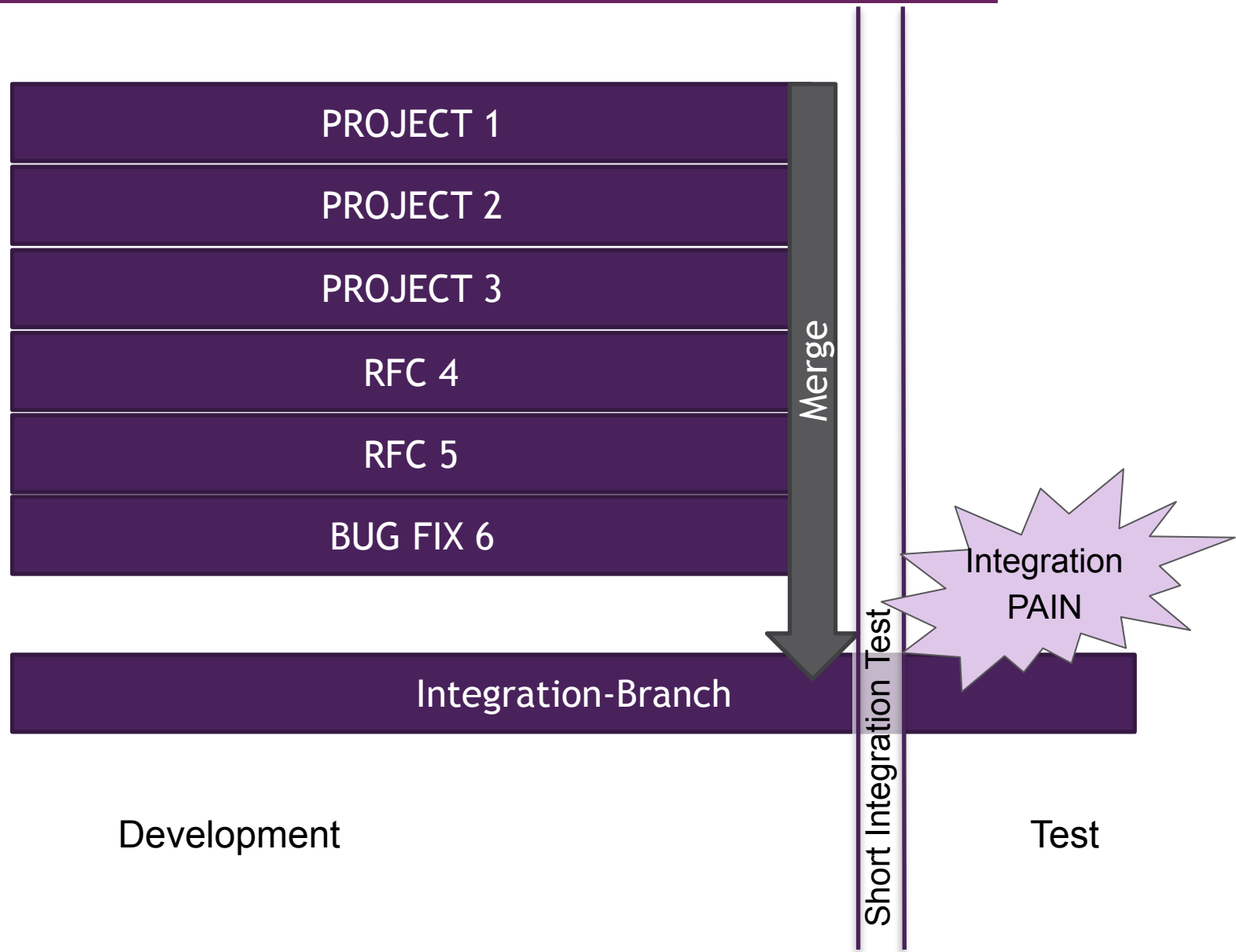
“Continuous Integration is an Attitude, Not a Tool”

CHECKLIST: CONTINUOUS INTEGRATION

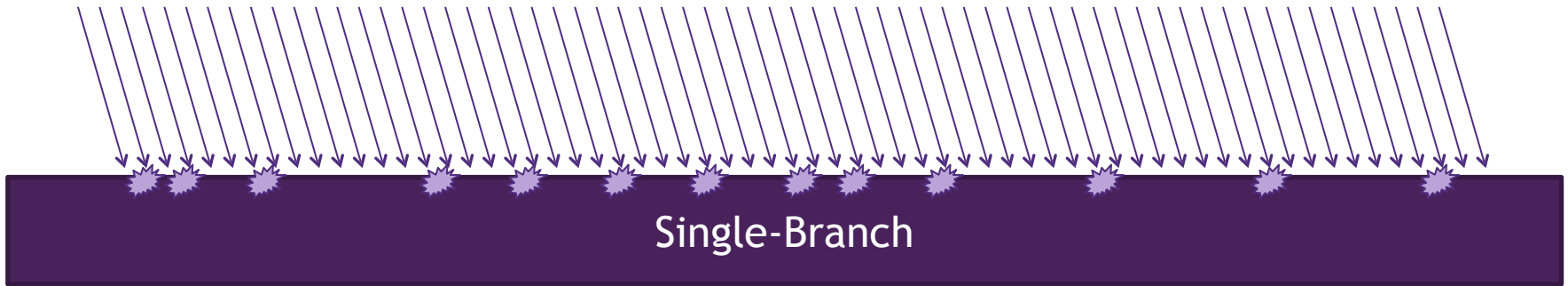
- ☐ Maintain a Single Source Repository.
- ☐ Automate the Build
- ☐ Make Your Build Self-Testing
- ☐ Everyone Commits To the Mainline Every Day
- ☐ Every Commit Should Build the Mainline on an Integration Machine
- ☐ Fix Broken Builds Immediately
- ☐ Keep the Build Fast
- ☐ Test in a Clone of the Production Environment
- ☐ Make it Easy for Anyone to Get the Latest Executable
- ☐ Everyone can see what's happening
- ☐ Automate Deployment



LATE INTEGRATION



CONTINUOUS INTEGRATION

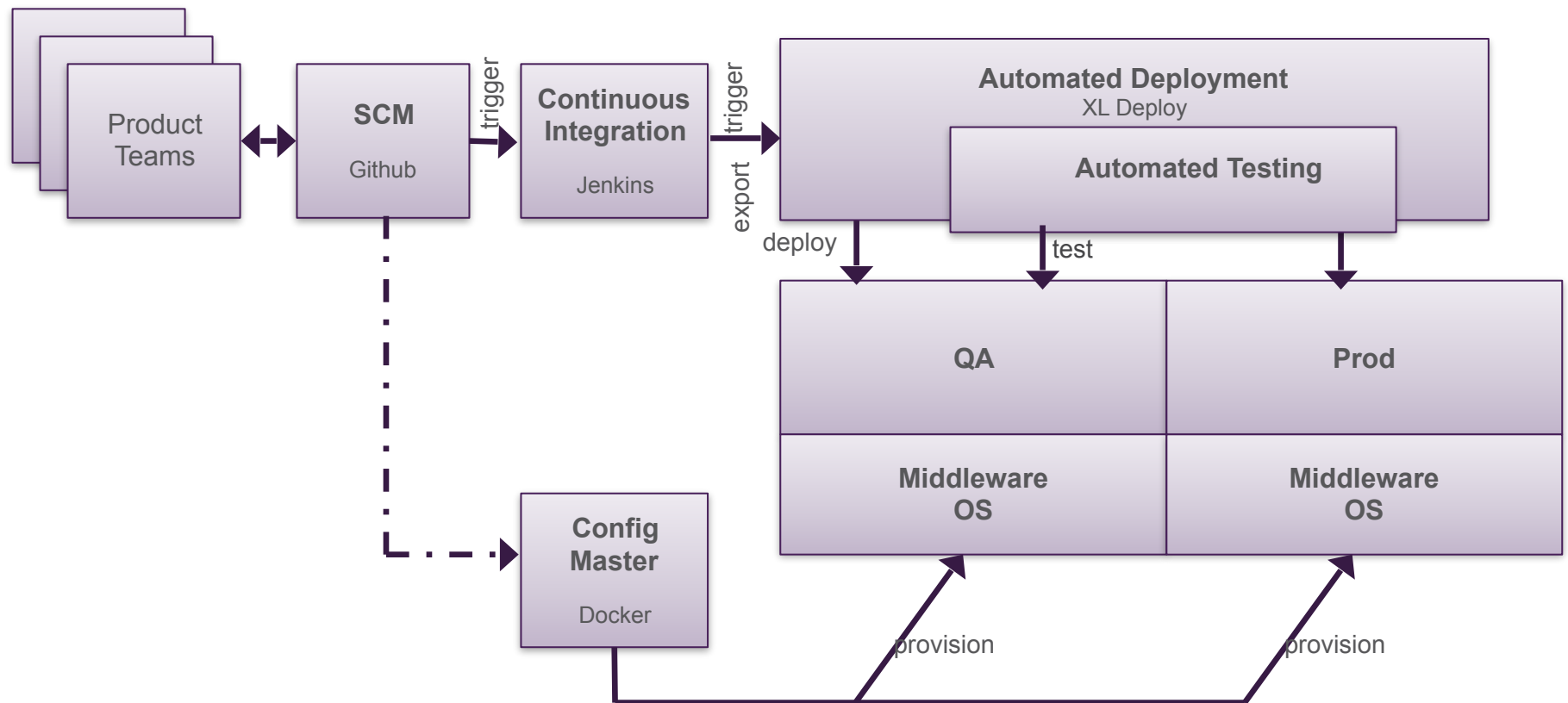


Full Sprint Integration Test

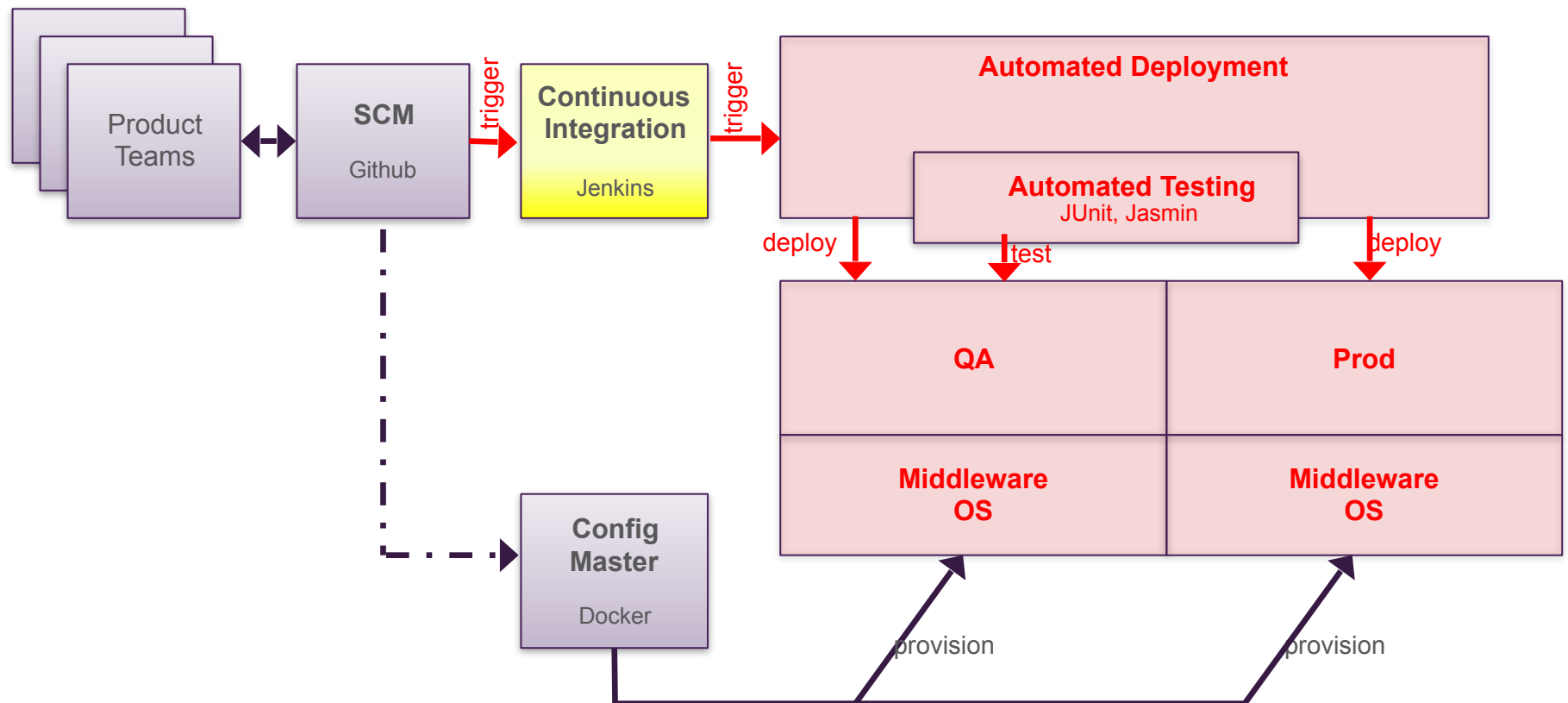
“NOBODY GOES HOME IF THE BUILD IS BROKEN”

LET'S TRY JENKINS

OUR ENVISIONED CONTINUOUS DEPLOYMENT PIPELINE



THE MISSING PARTS – SO FAR




INSTALL JENKINS PLUGINS

Dashboard [Jenkins]


Adriaan


demo/


 **Jenkins**


Jenkins


[ENABLE AUTO REFRESH](#)


 [New Item](#)

 [People](#)

 [Build History](#)

 [Manage Jenkins](#)

 [Credentials](#)

 [add.description](#)

Welcome to Jenkins!

Please [create new jobs](#) to get started.


Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle


 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:18:54 AM [REST API](#) [Jenkins ver. 1.609.3](#)


Manage Jenkins [Jenkins] x


demo/manage


Adrian


 **Jenkins**


Jenkins [ENABLE AUTO REFRESH](#)

 [New Item](#)

 [People](#)

 [Build History](#)

 [Manage Jenkins](#)

 [Credentials](#)

Build Queue


No builds in the queue.


Build Executor Status


1 Idle


2 Idle


Manage Jenkins


 It appears that your reverse proxy set up is broken. [More Info](#) [Dismiss](#)


 New version of Jenkins (1.625.2) is available for [download](#) ([changelog](#)). [Setup Security](#) [Dismiss](#)


 Unsecured Jenkins allows anyone on the network to launch processes on your behalf. Consider at least enabling authentication to discourage misuse.


 [Configure System](#)
Configure global settings and paths.


 [Configure Global Security](#)
Secure Jenkins; define who is allowed to access/use the system.


 [Reload Configuration from Disk](#)
Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.


 [Manage Plugins](#)
Add, remove, disable or enable plugins that can extend the functionality of Jenkins. **(updates available)**


 [System Information](#)
Displays various environmental information to assist trouble-shooting.


 [System Log](#)
System log captures output from java.util.logging output related to Jenkins.


 [Load Statistics](#)
Check your resource utilization and see if you need more computers for your builds.

 [Jenkins CLI](#)
Access/manage Jenkins from your shell, or from your script.

 [Script Console](#)
Executes arbitrary script for administration/trouble-shooting/diagnostics.

 [Manage Nodes](#)
Add, remove, control and monitor the various nodes that Jenkins runs jobs on.


 [Manage Credentials](#)
Create/delete/modify the credentials that can be used by Jenkins and by jobs running in Jenkins to connect to 3rd party services.

 [About Jenkins](#)
See the version and license information.

Update Center [Jenkins]

Adriaan

demo/pluginManager/

 **Jenkins**

search

Jenkins > Plugin Manager

Back to Dashboard

Manage Jenkins

Filter:

Updates

Available

Installed

Advanced

Install	Name ↓	Version	Installed
<input type="checkbox"/>	Credentials This plugin allows you to store credentials in Jenkins.	1.24	1.18
<input type="checkbox"/>	CVS Plug-in This bundled plugin integrates Jenkins with CVS version control system.	2.12	2.11
<input type="checkbox"/>	Javadoc Plugin This plugin adds Javadoc support to Jenkins.	1.3	1.1
<input type="checkbox"/>	JUnit Plugin Allows JUnit-format test results to be published.	1.9	1.2-beta-4
<input type="checkbox"/>	Mailer Plugin This plugin allows you to configure email notifications. This is a break-out of the original core based email component.	1.16	1.11
<input type="checkbox"/>	Matrix Authorization Strategy Plugin Offers matrix-based security authorization strategies (global and per-project).	1.2	1.1
<input type="checkbox"/>	Matrix Project Plugin Multi-configuration (matrix) project type.	1.6	1.4.1
<input type="checkbox"/>	Maven Integration plugin Jenkins plugin for building Maven 2/3 jobs via a special project type.	2.12.1	2.7.1
<input type="checkbox"/>	OWASP Markup Formatter Plugin Uses policy definitions to allow limited HTML markup in user-submitted text.	1.3	1.1
<input type="checkbox"/>	PAM Authentication plugin Adds Unix Pluggable Authentication Module (PAM) support to Jenkins.	1.2	1.1
<input type="checkbox"/>	Script Security Plugin Allows Jenkins administrators to control what in-process scripts can be run by less-privileged users.	1.15	1.13
<input type="checkbox"/>	SSH Credentials Plugin This plugin allows you to store SSH credentials in Jenkins.	1.11	1.10
<input type="checkbox"/>	SSH Slaves plugin This plugin allows you to manage slaves running on Unix machines over SSH.	1.10	1.9
<input type="checkbox"/>	Subversion Plug-in This plugin adds the Subversion support (via SVNKit) to Jenkins.	2.5.4	1.54

Download now and install after restart


Update information obtained: 6 min 2 sec ago

Check now

Update Center [Jenkins]

Adriaan

demo/pluginManager/available

 **Jenkins**

Jenkins > Plugin Manager

[Back to Dashboard](#)
[Manage Jenkins](#)

Filter:

UpdatesAvailableInstalledAdvanced

Install ↓

	Name	Version
Artifact Uploaders		
<input type="checkbox"/>	Appalcoosa Plugin Publish your mobile applications (Android, IOS, ...) to the appalcoosa-store.com platform.	1.4.2
<input type="checkbox"/>	appthwack A Jenkins CI plugin for running Android/iOS mobile tests on 100s of real devices using AppThwack.	1.9
<input type="checkbox"/>	ArtifactPromotionPlugin Using this plugin you can promote artifacts by moving release candidates into release repositories.	0.3.7
<input type="checkbox"/>	Artifact Deployer Plug-in This plugin makes it possible to copy artifacts to remote locations.	0.33
<input type="checkbox"/>	aws-device-farm AWS Device Farm Jenkins Plugin	1.11
<input type="checkbox"/>	AWS Lambda Plugin This plugin adds AWS Lambda invocation and deployment abilities to build steps and post build actions	0.3.1
<input type="checkbox"/>	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
<input type="checkbox"/>	Backlog plugin This plugin integrates Backlog (for Japanese users) to Jenkins.	1.11
<input type="checkbox"/>	Hudson Build-Publisher plugin This plugin allows records from one Jenkins to be published on another Jenkins.	1.21
<input type="checkbox"/>	Capitomcat Plugin This plugin deploy the WAR file to multiple remote Tomcat servers by using Capistrano 3	0.1.0
<input type="checkbox"/>	Cloud Foundry Plugin Pushes a project to Cloud Foundry or a CF-based platform (e.g. Stackato) at the end of a build.	1.5
<input type="checkbox"/>	AWS CodeDeploy Plugin for Jenkins Adds a post-build step to integrate Jenkins with AWS CodeDeploy	1.8
<input type="checkbox"/>	Confluence Publisher This plugin allows you to publish build artifacts as attachments to an Atlassian Confluence wiki page.	1.8
<input type="checkbox"/>	Critticism dSYM Plugin	

Install without restartDownload now and install after restart


Update information obtained: 6 min 10 sec ago

Check now


Update Center [Jenkins]


Adriaan

demo/pluginManager/available

 **Jenkins**

Jenkins > Plugin Manager

 [Back to Dashboard](#)

 [Manage Jenkins](#)

Filter:

Updates Available Installed Advanced

Install

	Name	Version
<input checked="" type="checkbox"/>	GitHub plugin This plugin integrates Jenkins with Github projects.	1.14.0

Install without restart

Download now and install after restart

Update information obtained: 6 min 10 sec ago

Check now


 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:19:45 AM [REST API](#) [Jenkins ver. 1.609.3](#)


Update Center [Jenkins]


Adriaan


demo/updateCenter/

 **Jenkins**

Jenkins > Update center [ENABLE AUTO REFRESH](#)

 [Back to Dashboard](#)












 [Manage Jenkins](#)


 [Manage Plugins](#)

Installing Plugins/Upgrades


Preparation

- Checking internet connectivity
- Checking update center connectivity


XebiaLabs XL Deploy Plugin	 Pending
GitHub API Plugin	 Pending
Credentials Plugin	 Pending
SSH Credentials Plugin	 Pending
Git client plugin	 Pending
SCM API Plugin	 Pending
Mailer Plugin	 Pending
Git plugin	 Pending
Plain Credentials Plugin	 Pending
GitHub plugin	 Pending
XebiaLabs XL Release Plugin	 Pending

 [Go back to the top page](#)

(you can start using the installed plugins right away)

 ☐

Restart Jenkins when installation is complete and no jobs are running


 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:20:50 AM [REST API](#) [Jenkins ver. 1.609.3](#)

Update Center [Jenkins]

Adriaan


demo/updateCenter/


 **Jenkins**


search

Jenkins > Update center

ENABLE AUTO REFRESH

 [Back to Dashboard](#)













 [Manage Jenkins](#)


 [Manage Plugins](#)


Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

XebiaLabs XL Deploy Plugin	 Downloaded Successfully. Will be activated during the next boot
GitHub API Plugin	 Downloaded Successfully. Will be activated during the next boot
Credentials Plugin	 Downloaded Successfully. Will be activated during the next boot
SSH Credentials Plugin	 Downloaded Successfully. Will be activated during the next boot
GIT client plugin	 Downloaded Successfully. Will be activated during the next boot
SCM API Plugin	 Downloaded Successfully. Will be activated during the next boot
Mailer Plugin	 Downloaded Successfully. Will be activated during the next boot
GIT plugin	 Downloaded Successfully. Will be activated during the next boot
Plain Credentials Plugin	 Downloaded Successfully. Will be activated during the next boot
GitHub plugin	 Downloaded Successfully. Will be activated during the next boot
XebiaLabs XL Release Plugin	 Installing
Restarting Jenkins	 Pending

 [Go back to the top page](#)
(you can start using the installed plugins right away)

 ☒ Restart Jenkins when installation is complete and no jobs are running

DON'T WAIT, CONTINUE TO NEXT STEP

 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:21:02 AM

[REST API](#)

Jenkins ver. 1.609.3

***IN THE MEANTIME, CREATE A PERSONAL ACCESS
TOKEN IN GITHUB...***


Configure System [Jenkins: X]adriaandejonge (Adriaan de Jonge)

GitHub, Inc. [US]https://github.com/adriaandejonge

Adriaan

Search GitHub

Pull requestsIssuesGist



Adriaan de Jonge
adriaandejonge

Xebia

Gurgaon, India

adriaandejonge@gmail.com

http://blog.adriaandejonge.eu

Joined on May 3, 2010

7

Followers


9

Starred

0

Following

Organizations





Contributions


Repositories


Public activity


Popular repositories

 **hellobuild**
Create a Docker container that creates a Dock...
24 ★


 **helloworld**
Create Docker image FROM scratch
12 ★


 **essentialappengine**
Source files for the Essential App Engine Book
1 ★


 **gae-book**
GAE Blog
1 ★


 **jquery-book**
1 ★


Repositories contributed to

 **ffung/docker**

 **golangcookbook/golang**
Golang Cookbook


 **xebiaww/xebiaww.github.io**
Xebia blog

 **xebiaww/guidelines**
Xebia's guidelines


 **hashicorp/nomad**
A Distributed, Highly Available, Datacenter-Aw...
1,111 ★

Contributions

DecJanFebMarAprMayJunJulAugSepOctNov



Summary of pull requests, issues opened, and commits. [Learn how we count contributions.](#)

Less  More

Contributions in the last year
244 total
Nov 26, 2014 – Nov 26, 2015

Longest streak
9 days
August 22 – August 30

Current streak
4 days
November 23 – November 26

Contribution activity

Period: 1 week ▾

→ 12 commits

Signed in as adriaandejonge

Your profile

Your stars

Explore

Integrations

Help

Settings


Sign out

https://github.com/settings/profile




Configure System [Jenkins] x Your Profile x

GitHub, Inc. [US] https://github.com/settings/profile

Adriaan

 Search GitHub

Pull requests Issues Gist

Personal settings

Profile

[Account settings](#)

[Emails](#)

[Notification center](#)

[Billing](#)

[SSH keys](#)

[Security](#)


[Applications](#)

[Personal access tokens](#)

[Repositories](#)


[Organizations](#)

Organization settings

 [xebia](#)

Public profile

Profile picture



Upload new picture

You can also drag and drop a picture from your computer.

Name

Adriaan de Jonge

Public email

adriaandejonge@gmail.com

You can add or remove email addresses in your [personal email settings](#).

URL

http://blog.adriaandejonge.eu

Company

Xebia

Location

Gurgaon, India

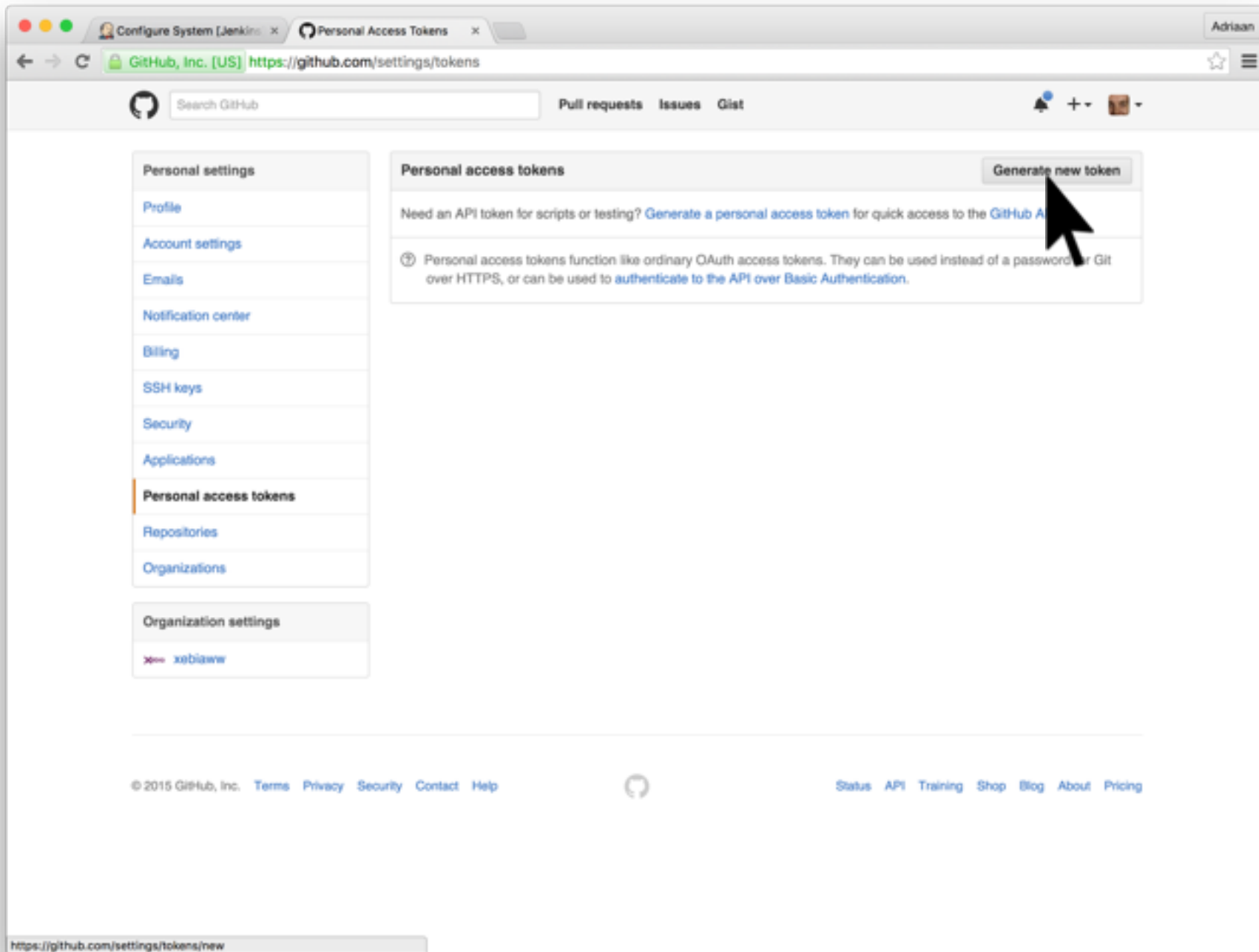
Update profile

GitHub Developer Program

Building an application, service, or tool that integrates with GitHub? [Join the GitHub Developer Program](#), or read more about it at our [Developer site](#).


https://github.com/settings/tokens

Profile






Configure System [Jenkins] xNew personal access token xAdriaan

←→↻GitHub, Inc. [US]https://github.com/settings/tokens/new

Search GitHub

Pull requestsIssuesGist



Personal settings

Profile

Account settings

Emails

Notification center

Billing

SSH keys

Security


Applications

Personal access tokens

Repositories

Organizations

Organization settings

 xabiaww

New personal access token

Token description

DevOps Training

What's this token for?

Select scopes

Scopes limit access for personal tokens. [Read more about OAuth scopes.](#)

☒ repo ⓘ

☐ repo:status ⓘ

☐ repo_deployment ⓘ

☒ public_repo ⓘ

☐ delete_repo ⓘ

☒ user ⓘ

☐ user:email ⓘ

☐ user:follow ⓘ

☐ admin:org ⓘ

☐ write:org ⓘ

☐ read:org ⓘ

☐ admin:public_key ⓘ

☐ public_key ⓘ

☐ read:public_key ⓘ

☐ admin:repo_hook ⓘ

☐ write:repo_hook ⓘ

☐ read:repo_hook ⓘ

☐ admin:org_hook ⓘ


☒ gist ⓘ

☐ notifications ⓘ

Generate token

ⓘ Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API](#) over [Basic Authentication](#).

© 2015 GitHub, Inc. [Terms](#) [Privacy](#) [Security](#) [Contact](#) [Help](#)



[Status](#) [API](#) [Training](#) [Shop](#) [Blog](#) [About](#) [Pricing](#)

Configure System [Jenkins] xNew personal access token xAdriaan

←→↻GitHub, Inc. [US]https://github.com/settings/tokens/new

Search GitHub

Pull requestsIssuesGist

🔔+📁

Personal settings

Profile

Account settings

Emails

Notification center

Billing

SSH keys

Security

Applications

Personal access tokens

Repositories

Organizations

Organization settings

xebaww

New personal access token

Token description

DevOps Training

What's this token for?

Select scopes

Scopes limit access for personal tokens. [Read more about OAuth scopes.](#)

☒repo ⓘ

☒public_repo ⓘ

☒user:email ⓘ

☒write:org ⓘ

☒write:public_key ⓘ

☒write:repo_hook ⓘ

☒gist ⓘ

☒repo:status ⓘ

☒delete_repo ⓘ

☒user:follow ⓘ

☒read:org ⓘ

☒read:public_key ⓘ

☒read:repo_hook ⓘ

☒notifications ⓘ

☒repo_deployment ⓘ

☒user ⓘ

☒admin:org ⓘ

☒admin:public_key ⓘ

☒admin:repo_hook ⓘ

☒admin:org_hook ⓘ

Generate token


ⓘ Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over [Basic Authentication](#).

© 2015 GitHub, Inc. [Terms](#) [Privacy](#) [Security](#) [Contact](#) [Help](#)




[Status](#) [API](#) [Training](#) [Shop](#) [Blog](#) [About](#) [Pricing](#)

Configure System [Jenkins] xNew personal access token xAdriaan

← → ↻ GitHub, Inc. [US] https://github.com/settings/tokens/new

 Search GitHub

[Pull requests](#) [Issues](#) [Gist](#)

Personal settings

[Profile](#)

[Account settings](#)

[Emails](#)

[Notification center](#)

[Billing](#)

[SSH keys](#)

[Security](#)


[Applications](#)

Personal access tokens

[Repositories](#)

[Organizations](#)

Organization settings

 xebiauw

New personal access token

Token description

DevOps Training

What's this token for?

Select scopes

Scopes limit access for personal tokens. [Read more about OAuth scopes.](#)

☒ repo ⓘ

☒ public_repo ⓘ

☒ user:email ⓘ

☒ write:org ⓘ

☒ write:public_key ⓘ

☒ write:repo_hook ⓘ

☒ gist ⓘ

☒ repo:status ⓘ

☒ delete_repo ⓘ

☒ user:follow ⓘ

☒ read:org ⓘ

☒ read:public_key ⓘ

☒ read:repo_hook ⓘ

☒ notifications ⓘ

☒ repo_deployment ⓘ

☒ user ⓘ

☒ admin:org ⓘ

☒ admin:public_key ⓘ


☒ admin:repo_hook ⓘ

☒ admin:org_hook ⓘ

Generate token

ⓘ Personal access tokens function like ordinary OAuth access tokens. They can be used instead of a password for Git over HTTPS, or can be used to authenticate to the API over Basic Authentication.

© 2015 GitHub, Inc. [Terms](#) [Privacy](#) [Security](#) [Contact](#) [Help](#)




[Status](#) [API](#) [Training](#) [Shop](#) [Blog](#) [About](#) [Pricing](#)




Configure System [Jenkins] x Personal Access Tokens x

Adriaan

← → ↻ [GitHub, Inc. \[US\]](#) <https://github.com/settings/tokens> ☆ ☰



[Pull requests](#) [Issues](#) [Gist](#)

Some of the scopes you've selected are included in other scopes. Only the minimum set of necessary scopes has been saved. ✕

Personal settings

[Profile](#)

[Account settings](#)

[Emails](#)

[Notification center](#)

[Billing](#)

[SSH keys](#)

[Security](#)


[Applications](#)

Personal access tokens

[Repositories](#)

[Organizations](#)


Organization settings

 [xeblaww](#)


Personal access tokens Generate new token

Tokens you have generated that can be used to access the [GitHub API](#).


Make sure to copy your new personal access token now. You won't be able to see it again!

✓ 3acb2bef7a57e95c5e11486e4c4c0d7721bd50c4 

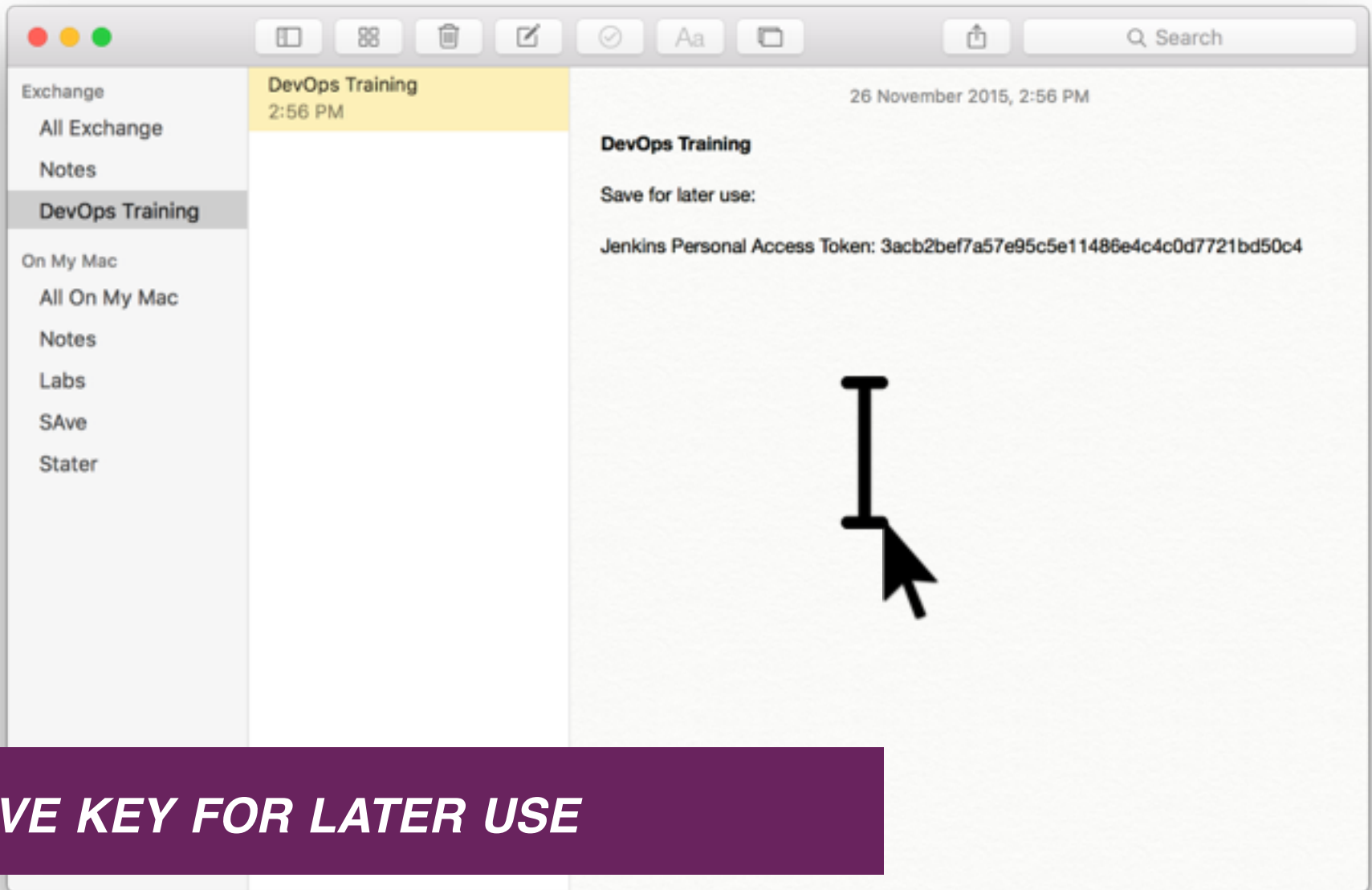
Edit Delete

 Personal access tokens function like ordinary [OAuth](#) tokens. They can be used instead of a password for Git over HTTPS, or can be used to [authenticate to the API](#) by [Basic Authentication](#).

© 2015 GitHub, Inc. [Terms](#) [Privacy](#) [Security](#) [Contact](#) [Help](#)



[Status](#) [API](#) [Training](#) [Shop](#) [Blog](#) [About](#) [Pricing](#)



SAVE KEY FOR LATER USE

JENKINS GLOBAL CONFIG

The screenshot shows the Jenkins Update Center interface in a web browser. The browser's address bar displays 'demo/updateCenter/'. The Jenkins logo is visible in the top left, and a search bar is in the top right. The main heading is 'Installing Plugins/Upgrades'. Below this, a 'Preparation' section lists steps: 'Checking internet connectivity', 'Checking update center connectivity', and 'Success'. A list of plugins follows, each with a status indicator (yellow circle for 'Downloaded Successfully' and grey circle for 'Installing' or 'Pending'). The plugins listed are: XebiaLabs XL Deploy Plugin, GitHub API Plugin, Credentials Plugin, SSH Credentials Plugin, GIT client plugin, SCM API Plugin, Mailer Plugin, GIT plugin, Plain Credentials Plugin, GitHub plugin, XebiaLabs XL Release Plugin, and Restarting Jenkins. At the bottom, there are two green arrows with text: 'Go back to the top page (you can start using the installed plugins right away)' and 'Restart Jenkins when installation is complete and no jobs are running'.

Update Center [Jenkins] x

demo/updateCenter/

Jenkins

Back to Dashboard

Manage Jenkins

Manage Plugins

Installing Plugins/Upgrades

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

XebiaLabs XL Deploy Plugin	Downloaded Successfully. Will be activated during the next boot
GitHub API Plugin	Downloaded Successfully. Will be activated during the next boot
Credentials Plugin	Downloaded Successfully. Will be activated during the next boot
SSH Credentials Plugin	Downloaded Successfully. Will be activated during the next boot
GIT client plugin	Downloaded Successfully. Will be activated during the next boot
SCM API Plugin	Downloaded Successfully. Will be activated during the next boot
Mailer Plugin	Downloaded Successfully. Will be activated during the next boot
GIT plugin	Downloaded Successfully. Will be activated during the next boot
Plain Credentials Plugin	Downloaded Successfully. Will be activated during the next boot
GitHub plugin	Downloaded Successfully. Will be activated during the next boot
XebiaLabs XL Release Plugin	Installing
Restarting Jenkins	Pending

[Go back to the top page](#)
(you can start using the installed plugins right away)

☒ Restart Jenkins when installation is complete and no jobs are running


ver. 1.609.3

**IF THIS SCREEN STILL SHOWS, CLICK THE JENKINS LOGO;
PROBABLY JENKINS IS ALREADY RESTARTED BUT THE
SCREEN FAILED TO REFRESH**

Dashboard [Jenkins]


Adriaan


demo/


 **Jenkins**


Jenkins


ENABLE AUTO REFRESH

 [New Item](#)

 [People](#)

 [Build History](#)

 [Manage Jenkins](#)

 [Credentials](#)

Build Queue

No builds in the queue.


Build Executor Status


1 Idle

2 Idle

Welcome to Jenkins!

Please **create new jobs** to get started.

 [add description](#)


 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:21:39 AM [REST API](#) [Jenkins ver. 1.609.3](#)


Manage Jenkins [Jenkins] x


demo/manage


Adriaan


 **Jenkins**


Jenkins [ENABLE AUTO REFRESH](#)

 [New Item](#)

 [People](#)

 [Build History](#)

 [Manage Jenkins](#)

 [Credentials](#)

Build Queue


No builds in the queue.


Build Executor Status


1 Idle


2 Idle


Manage Jenkins


 It appears that your reverse proxy set up is broken. [More Info](#) [Dismiss](#)


 New version of Jenkins (1.625.2) is available for [download](#) ([changelog](#)).


 Unsecured Jenkins allows anyone on the network to launch processes on your behalf. [Setup Security](#) [Dismiss](#)


 Consider at least enabling authentication to discourage misuse.


 [Configure System](#)
Configure global settings and paths.


 [Configure Global Security](#)
Secure Jenkins by defining who is allowed to access/use the system.


 [Reload Configuration from Disk](#)
Discard all the loaded data in memory and reload everything from file system. Useful when you modified config files directly on disk.


 [Manage Plugins](#)
Add, remove, disable or enable plugins that can extend the functionality of Jenkins. **(updates available)**


 [System Information](#)
Displays various environmental information to assist trouble-shooting.


 [System Log](#)
System log captures output from java.util.logging output related to Jenkins.


 [Load Statistics](#)
Check your resource utilization and see if you need more computers for your builds.

 [Jenkins CLI](#)
Access/manage Jenkins from your shell, or from your script.

 [Script Console](#)
Executes arbitrary script for administration/trouble-shooting/diagnostics.

 [Manage Nodes](#)
Add, remove, control and monitor the various nodes that Jenkins runs jobs on.


 [Manage Credentials](#)
Create/delete/modify the credentials that can be used by Jenkins and by jobs running in Jenkins to connect to 3rd party services.

 [About Jenkins](#)
See the version and license information.

Configure System [Jenkins] X


demo/configure


Adriaan


 **Jenkins**


search


Jenkins > configuration

 New Item

 People

 Build History

 Manage Jenkins

 Credentials

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Home directory

/var/jenkins_home

System Message

Advanced...

[Escaped HTML] [Preview](#)

2

Utilize this node as much as possible

5

0

of executors

Labels

Usage

Quiet period

SCM check

☐ Restrict projects

Global properties

☐ Environment variables

☐ Tool Locations

Maven Configuration

Default settings provider

Default global settings provider

JDK

JDK installations

Git

Save

Apply

Configure System [Jenkins] x

demo/configure

Jenkins > configuration

List of Ant installations on this system

Maven

Maven installations

Add Maven

List of Maven installations on this system

Maven Project Configuration

Global MAVEN_OPTS

Local Maven Repository

Default (~/.m2/repository)

☒ Help make Jenkins better by sending anonymous usage statistics and crash reports to the Jenkins project.

Jenkins Location

Jenkins URL

http://jenkins:8080/

System Admin e-mail address

address not configured yet <nobody@nowhere>

SSH Server

SSHD Port

☐ Fixed : ☒ Random ☐ Disable

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

Add GitHub Server Config

List of GitHub Servers to manage hooks, set commit statuses etc.

Advanced...

Git plugin

Global Config user.name Value

Global Config user.email Value

Create new accounts base on author/committer's email

☐

CVS

Default Compression Level

3 (Recommended)

Default: 1 (none)

Save

Apply

Configure System [Jenkins] X

demo/configure

Adriaan

Jenkins > configuration

Maven

Maven installations

List of Ant installations on this system

Maven

Name3.3.9

Required

☒ Install automatically

Install from Apache

Version3.3.9

Delete Installer

Add Installer

Add Maven

List of Maven installations on this system

Maven Project Configuration

Global MAVEN_OPTS

Local Maven Repository

☒ Help make Jenkins better by sending anonymous usage statistics and crash reports to the Jenkins project.

Jenkins Location

Jenkins URL

System Admin e-mail address

SSH Server

SSH Port

GitHub Plugin Configuration

Save

Apply

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

Add GitHub Server Config

List of GitHub Servers to manage books, set commit statuses etc.



Advanced...

Git plugin

Global Config user.name Value

Global Config user.email Value

Create new accounts base on author/commmitter's email

CVS

Default Compression Level

3 (Recommended)

Private Key Location

/var/jenkins_home/.ssh/id_rsa

Private Key Password

Known Hosts Location

/var/jenkins_home/.ssh/known_hosts

Authentication

Add

Subversion

Subversion Workspace Version

9.4

Exclusion revprop name

☐ Validate repository URLs up to the first variable name☒ Update default Subversion credentials cache after successful authentication

Shell

Shell executable

XL Deploy

Default Server Url

Save

Apply

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

Add GitHub Server Config

List of Github Servers to manage hooks, set commit statuses etc.

Github Server Config

Advanced...

Git plugin

Global Config user.name Value

Global Config user.email Value

Create new accounts base on author/committer's email

CVS

Default Compression Level

3 (Recommended)

Private Key Location

/var/kerberos_home/ssh/id_rsa

Private Key Password

Known Hosts Location

/var/jenkins_home/ssh/known_hosts

Authentication

Added

Subversion

Subversion Workspace Version

1.4

Exclusion revprop name

☐ Validate repository URLs up to the first variable name☒ Update default Subversion credentials cache after successful authentication

Schell

Shell executable

XIL Deploy

Save

Apply

Configure System [Jenkins] X

demo/configure

Adriaan

Jenkins > configuration

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

GitHub Server Config

Manage hooks

Credentials

- none -

Add

☐ Custom GitHub API URL

Advanced...

Verify credentials

Delete GitHub Server Config

Add GitHub Server Config

List of GitHub Servers to manage hooks, set commit statuses etc.

Advanced...

Git plugin

Global Config user.name Value

Global Config user.email Value

Create new accounts base on author/commmitter's email

☐

CVS

Default Compression Level

3 (Recommended)

Private Key Location

Private Key Password

Known Hosts Location

Authentication

Add

Save

Apply

Configure System [Jenkins] X

demo/configure


Adriaan

Jenkins > configuration

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

GitHub Server Config

 Add Credentials

Kind

Username with password

Scope

Global (Jenkins, nodes, items, all child items)

Username

Password

Description

Advanced...

Add

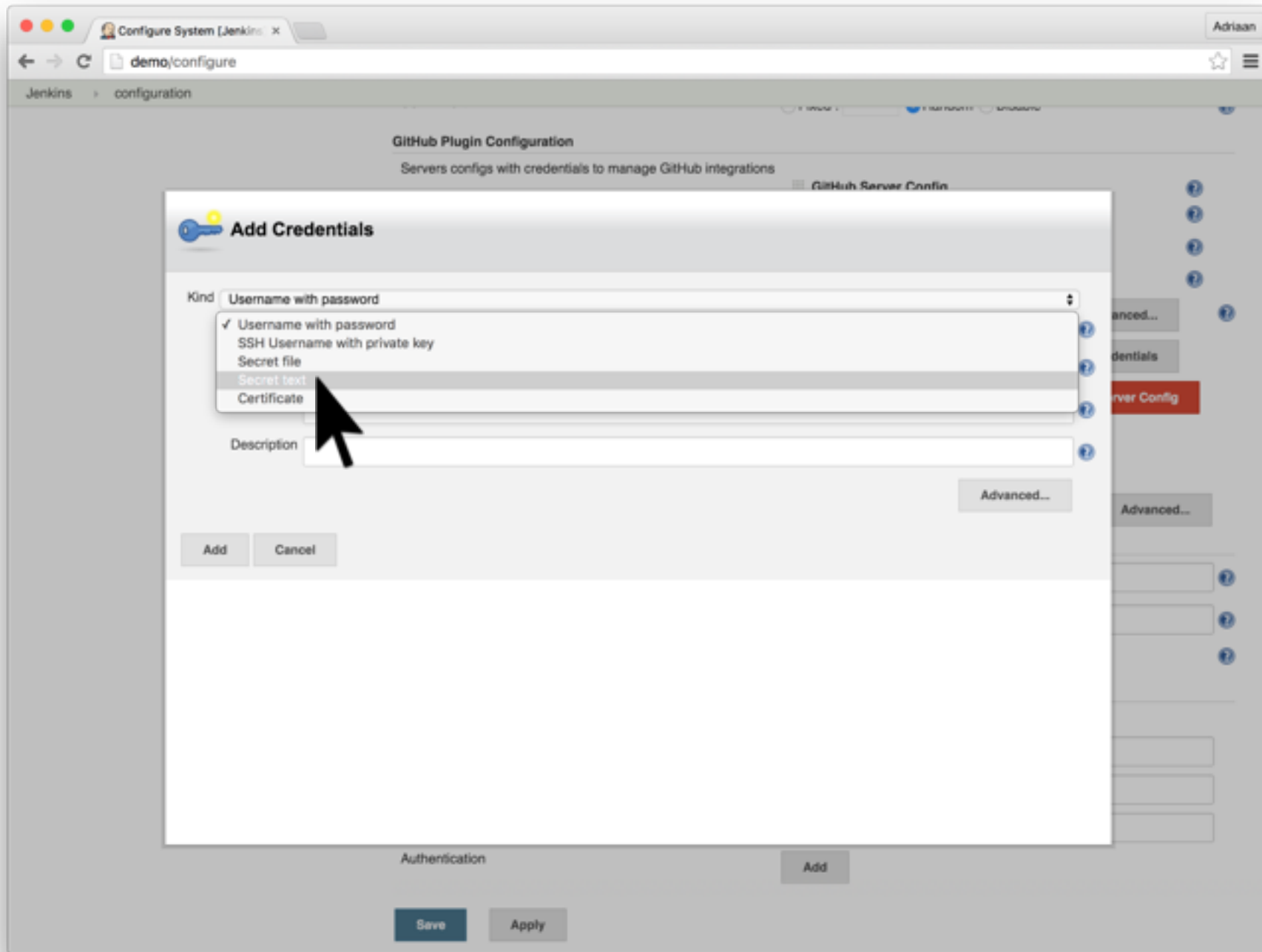
Cancel

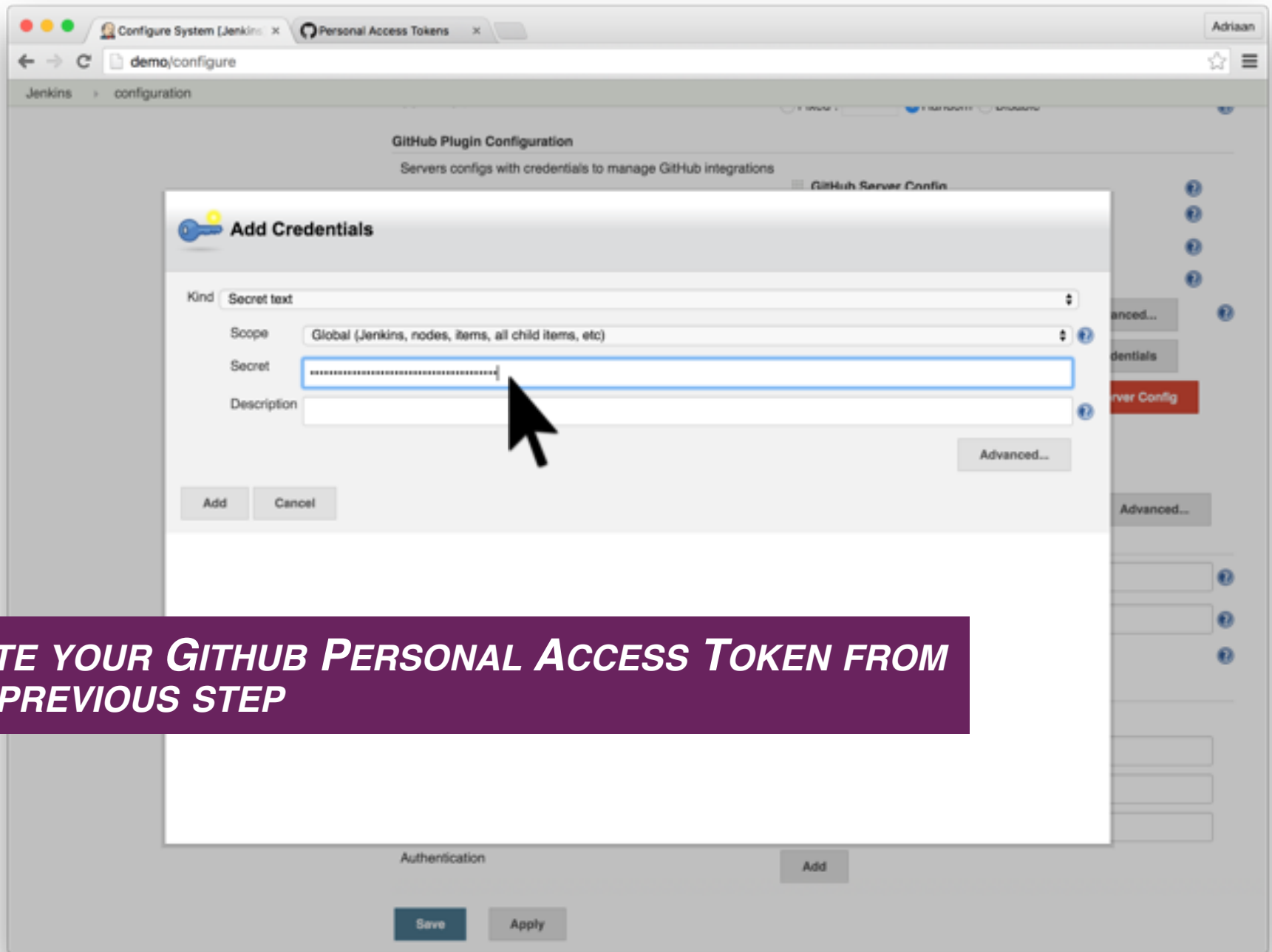
Authentication

Add

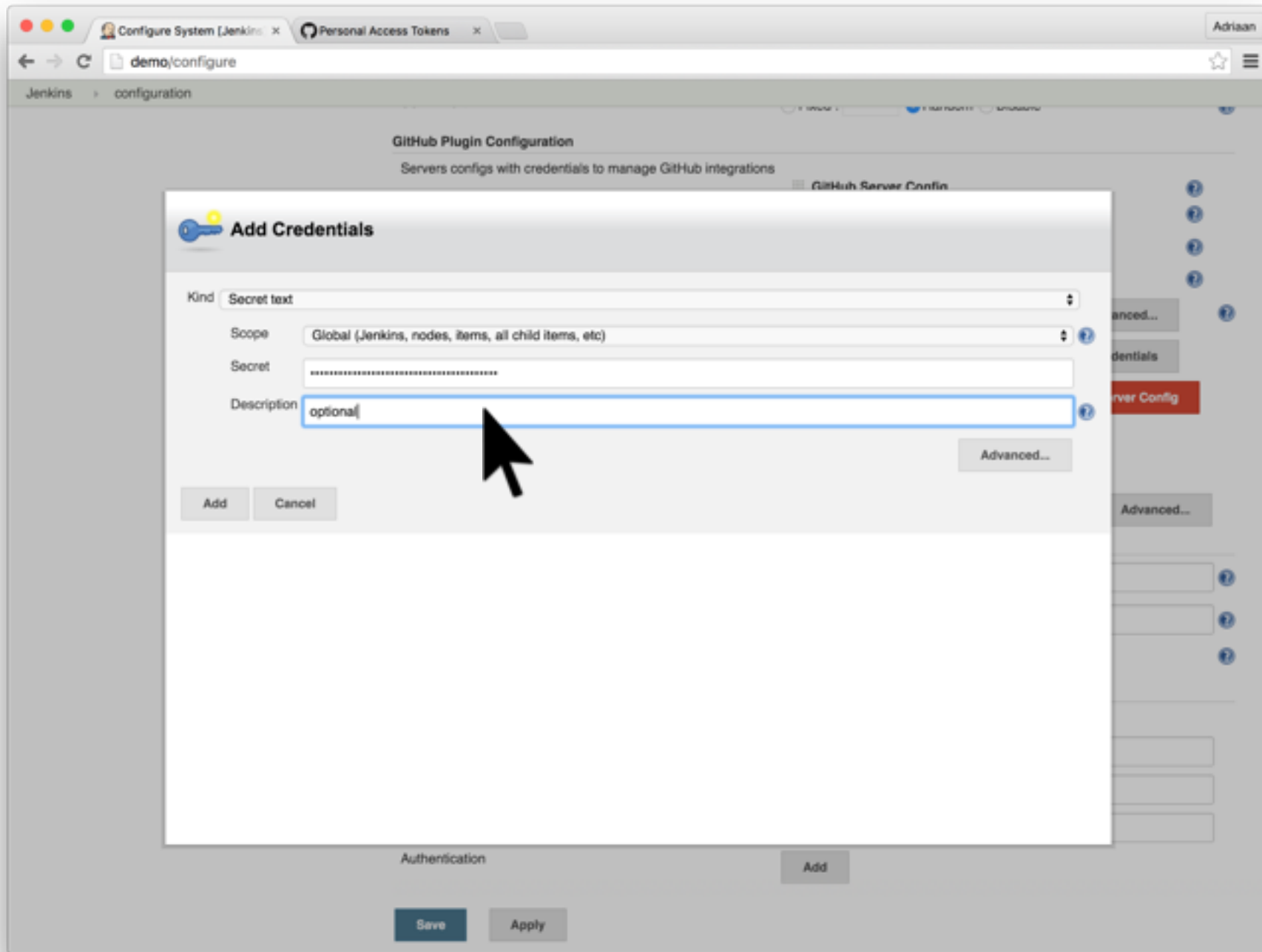
Save

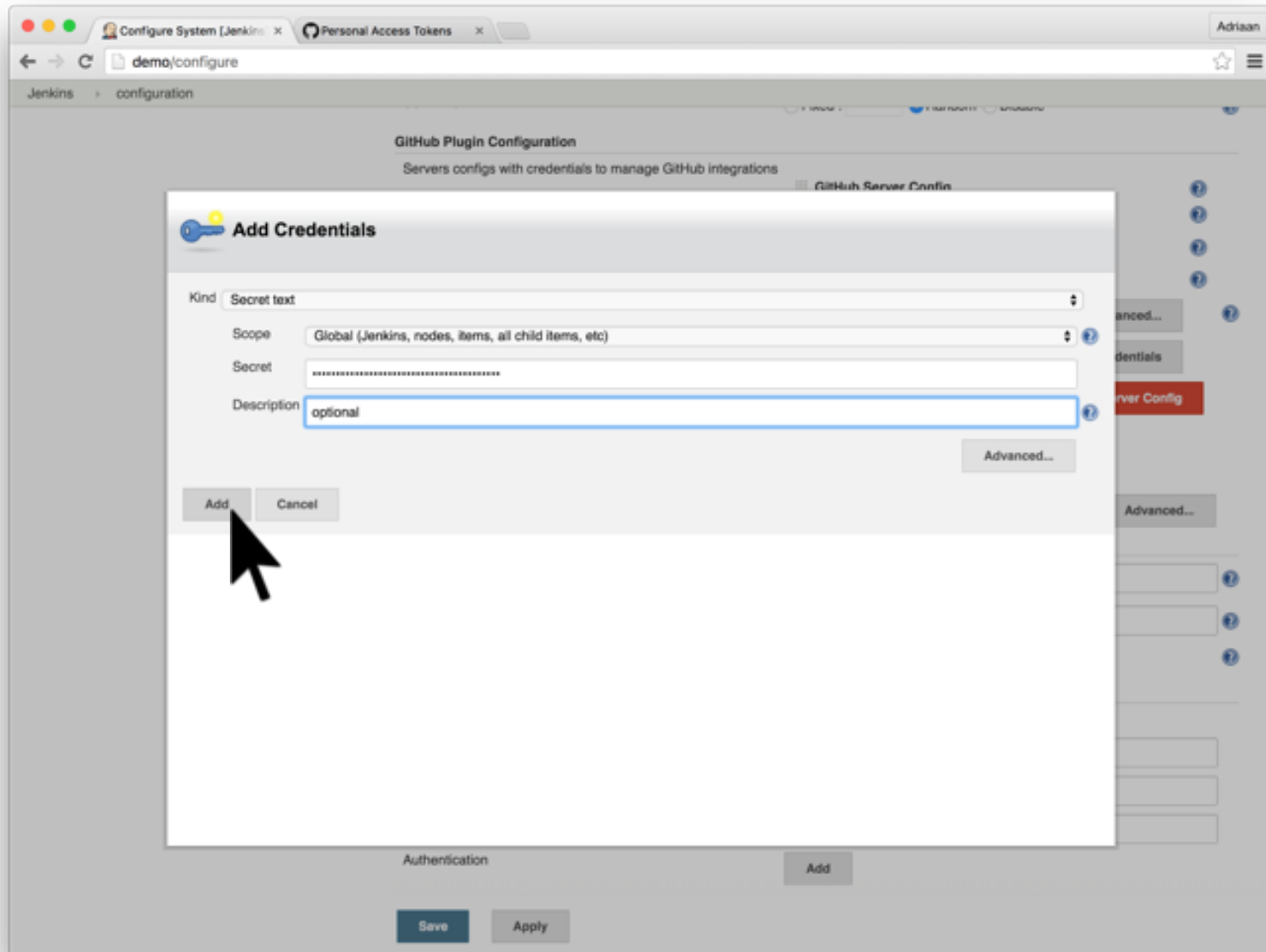
Apply





PASTE YOUR GITHUB PERSONAL ACCESS TOKEN FROM THE PREVIOUS STEP





Configure System [Jenkins] x Personal Access Tokens x

demo/configure

Jenkins > configuration

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

GitHub Server Config

Manage hooks ☒

Credentials

some text (optional) Add

☐ Custom Git

✓ - none -
some text (optional)

Advanced...

Verify credentials

Delete GitHub Server Config

Add GitHub Server Config

List of GitHub Servers to manage hooks, set commit statuses etc.

Advanced...

Git plugin

Global Config user.name Value

?

Global Config user.email Value

?

Create new accounts base on author/commmitter's email

☐

?

CVS

Default Compression Level

3 (Recommended) ?

Private Key Location

/var/jenkins_home/.ssh/id_rsa

Private Key Password

Known Hosts Location

/var/jenkins_home/.ssh/known_hosts

Authentication

Add

Save

Apply

Configure System [Jenkins] x Personal Access Tokens x

demo/configure

Jenkins > configuration

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

GitHub Server Config

Manage hooks ☒

Credentials

some text (optional) Add

☐ Custom GitHub API URL

Advanced...

Verify credentials

Delete GitHub Server Config

Add GitHub Server Config

List of GitHub Servers to manage hooks, set commit statuses etc.

Advanced...

Git plugin

Global Config user.name Value

Global Config user.email Value

Create new accounts base on author/commmitter's email ☐

CVS

Default Compression Level

3 (Recommended) Add

Private Key Location

/var/jenkins_home/.ssh/id_rsa

Private Key Password

Known Hosts Location

/var/jenkins_home/.ssh/known_hosts

Authentication

Add

Save

Apply

Configure System [Jenkins] X Personal Access Tokens X

demo/configure

Jenkins > configuration

GitHub Plugin Configuration

Servers configs with credentials to manage GitHub integrations

GitHub

some text (optional)

Custom GitHub API URL

Credentials verified for user adriaandejonge, rate limit: 4960

Verify

Delete GitHub Config

Add GitHub Server Config

Advanced...

Git plugin

Global Config user.name Value

Global Config user.email Value

Create new accounts base on author/committer's email

CVS

Default Compression Level

Private Key Location

Private Key Password

Known Hosts Location

Authentication

3 (Recommended)

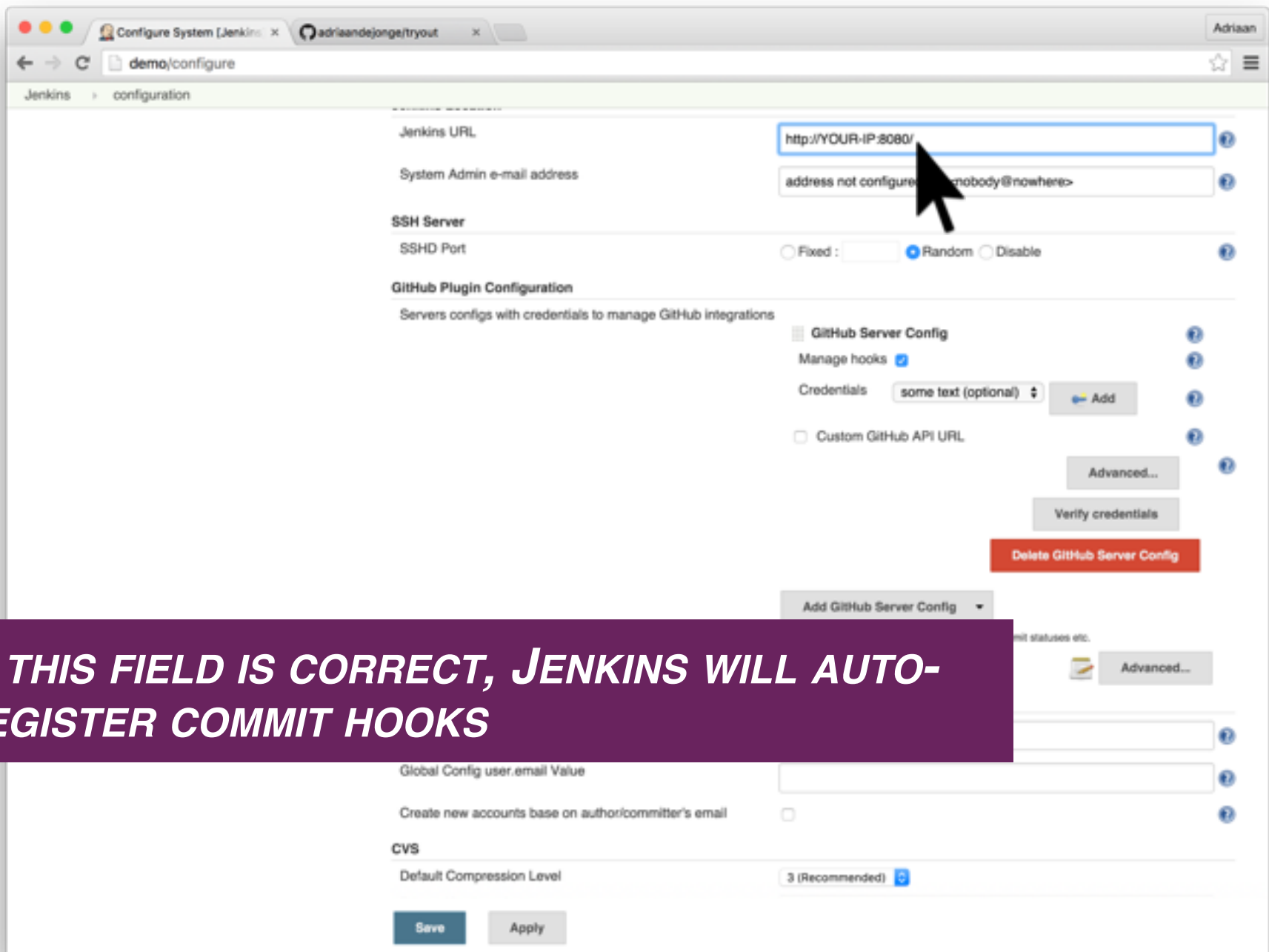
/var/jenkins_home/.ssh/id_rsa

/var/jenkins_home/.ssh/known_hosts

Add

Save

Apply



The screenshot shows the Jenkins configuration interface in a web browser. The browser tabs include 'Configure System [Jenkins...]', 'adriaandjonge/tryout', and 'Adriaan'. The address bar shows 'demo/configure'. The page title is 'Jenkins > configuration'. The configuration fields include:

- Jenkins URL:** A text field containing 'http://YOUR-IP:8080/'. A blue border highlights this field, and a black arrow points to it from the right.
- System Admin e-mail address:** A text field containing 'address not configured <nobody@nowhere>'.
- SSH Server:** A section with an 'SSH Port' field and radio buttons for 'Fixed', 'Random' (selected), and 'Disable'.
- GitHub Plugin Configuration:** A section titled 'Servers configs with credentials to manage GitHub integrations'. It includes a 'GitHub Server Config' section with a 'Manage hooks' checkbox (checked), a 'Credentials' dropdown (set to 'some text (optional)'), and an 'Add' button. Below this is a 'Custom GitHub API URL' checkbox. To the right of these are 'Advanced...', 'Verify credentials', and 'Delete GitHub Server Config' buttons.
- Global Config user.email Value:** A text field.
- Create new accounts base on author/committer's email:** A checkbox.
- CVS:** A section with a 'Default Compression Level' dropdown (set to '3 (Recommended)').

At the bottom are 'Save' and 'Apply' buttons. A large purple callout box with white text is overlaid on the bottom left of the image.


IF THIS FIELD IS CORRECT, JENKINS WILL AUTO-REGISTER COMMIT HOOKS

CREATE JENKINS JOB


Dashboard [Jenkins]


Adriaan


demo/


 **Jenkins**


Jenkins

 [New Item](#)

 [People](#)

 [Build History](#)

 [Manage Jenkins](#)

 [Credentials](#)

Build Queue


No builds in the queue.

Build Executor Status

1 Idle


2 Idle

ENABLE AUTO REFRESH

 [add description](#)

Welcome to Jenkins!

Please [create new jobs](#) to get started.


 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:18:54 AM [REST API](#) [Jenkins ver. 1.609.3](#)


New Item [Jenkins]Personal Access Tokens


demo/newJob


Adriaan


 **Jenkins**


Jenkins

 New Item

 People

 Build History

 Manage Jenkins

 Credentials

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Item name

☐ Freestyle

demo

This is the original feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

☐ Maven project

Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

☐ External Job

This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system. See [the documentation for more details](#).

☐ Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

OK


Help us localize this page

Page generated: Nov 26, 2015 9:27:28 AM [REST API](#) [Jenkins ver. 1.609.3](#)

New Item [Jenkins]Personal Access Tokens

demo/newJob

Adriaan

 **Jenkins**

New Item

People

Build History

Manage Jenkins

Credentials

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Item name

☐ Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

☒ Maven project

Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.


☐ External Job

This type of job allows you to record the execution of a process run outside Jenkins, even on a remote machine. This is designed so that you can use Jenkins as a dashboard of your existing automation system. See [the documentation for more details](#).

☐ Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

OK

 [Help us localize this page](#)

Page generated: Nov 26, 2015 9:27:28 AM [REST API](#) [Jenkins ver. 1.609.3](#)

demo Config (Jenkins)

Personal Access Tokens

Adriaan

demo/job/demo/configure

Jenkins

demo

configuration

Back to Dashboard

Status

Changes

Workspace

Build Now

Delete Maven project

Configure

Modules

Build History

trend

RSS for all

RSS for failures

Maven project name

demo

Description

[Escaped HTML] Preview

☐ Discard Old Builds

Github project

https://github.com/YOUR-USERNAME/tryout/

☐ 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

☐ CVS

☐ CVS Projectset

☐ Git

☐ Subversion

Build Triggers

☒ Build whenever a SNAPSHOT dependency is built

☐ Build after other projects are built

☐ Build periodically

☐ Build when a change is pushed to GitHub

☐ Poll SCM

Pre Steps

Save

Apply

demo Config [Jenkins] x Personal Access Tokens x Adriaan

demo/job/demo/configure

Jenkins

Jenkins > demo > configuration

Back to Dashboard
Status
Changes
Workspace
Build Now
Delete Maven project
Configure
Modules

Build History trend —
RSS for all RSS for failures

Maven project name demo

Description
[Escaped HTML] Preview

☐ Discard Old Builds

GitHub project https://github.com/YOUR-USERNAME/tryout/

☐ 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

☒ Build whenever a SNAPSHOT dependency is built
☐ Build after other projects are built
☐ Build periodically
☐ Build when a change is pushed to GitHub
☐ Poll SCM

Pre Steps
Save Apply

COPY TO CLIPBOARD FOR NEXT STEP

demo Config [Jenkins]

Personal Access Tokens

Adriaan

demo/job/demo/configure

search

Jenkins

demo

configuration

Back to Dashboard

Status

Changes

Workspace

Build Now

Delete Maven project

Configure

Modules

Build History

trend

RSS for all

RSS for failures

Maven project name

demo

Description

[Escaped HTML] Preview

☐ Discard Old Builds

☐ GitHub project

☐ 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

☐ CVS

☐ CVS Projectset

☒ Git

Repositories

Repository URL

https://github.com/YOUR-USERNAME/tryout/

Please enter Git repository.

Credentials

none

Add

Add Repository

Delete Repository

Branches to build

Save

Apply

demo Config [Jenkins]Personal Access TokensAdriaan

demo/job/demo/configure

Jenkinsdemoconfiguration

Additional BehavioursAdd

☐ Subversion

Build Triggers

☒ Build whenever a SNAPSHOT dependency is built

☐ Build after other projects are built

☐ Build periodically

☒ Build when a change is pushed to GitHub

☐ Poll SCM

Pre-build

Add pre-build step

Build

Root POMpom.xml

Goals and options

Advanced...

Post Steps

☐ Run only if build succeeds☐ Run only if build succeeds or is unstable☒ Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Add post-build step

Build Settings

☐ E-mail Notification

Post-build Actions

Add post-build action

SaveApply

Help us localize this page

Page generated: Nov 26, 2015 9:27:48 AMREST APIJenkins ver. 1.609.3

demo Config [Jenkins]Personal Access TokensAdriaan

demo/job/demo/configure

Jenkinsdemoconfiguration

Additional BehavioursAdd

☐ Subversion

Build Triggers

☒ Build whenever a SNAPSHOT dependency is built?☐ Build after other projects are built?☐ Build periodically?☒ Build when a change is pushed to GitHub?☐ Poll SCM?

Pre Steps

Add pre-build step

Build

Root POMpom.xml?

Goals and optionsclean package?Advanced...

Post Steps

☐ Run only if build succeeds☐ Run only if build succeeds or is unstable☒ Run regardless of build result
Should the post-build steps run only for successful builds, etc.

Add post-build step

Build Settings

☐ E-mail Notification

Post-build Actions

Add post-build action

Save

Apply

Help us localize this page

Page generated: Nov 26, 2015 9:27:48 AMREST APIJenkins ver. 1.609.3

demo Config [Jenkins]Personal Access TokensAdriaan

demo/job/demo/configure

Jenkins > demo > configuration

Additional BehavioursAdd

☐ Subversion

Build Triggers

☒ Build whenever a SNAPSHOT dependency is built

☐ Build after other projects are built

☐ Build periodically

☒ Build when a change is pushed to GitHub

☐ Poll SCM

Pre Steps

Add pre-build step

Build

Root POMpom.xml

Goals and optionsclean package

Advanced...

Post Steps

☒ Run only if build succeeds☐ Run only if build succeeds or is unstable☐ Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Add post-build step

Build Settings

☐ E-mail Notification

Post-build Actions

Add post-build action

Save

Apply

Help us localize this page

Page generated: Nov 26, 2015 9:27:48 AMREST APIJenkins ver. 1.609.3

demo Config [Jenkins]Personal Access TokensAdriaan

demo/job/demo/configure

Jenkinsdemoconfiguration

Additional BehavioursAdd

☐ Subversion

Build Triggers

☒ Build whenever a SNAPSHOT dependency is built

☐ Build after other projects are built

☐ Build periodically

☒ Build when a change is pushed to GitHub

☐ Poll SCM

Pre Steps

Add pre-build step

Build

Root POMpom.xml

Goals and optionsclean package

Advanced...

Post Steps

☒ Run only if build succeeds☐ Run only if build succeeds or is unstable☐ Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Add post-build step

Build Settings

☐ E-mail Notification

Post-build Actions

Add post-build action

SaveApply

Help us localize this page


Page generated: Nov 26, 2015 9:27:48 AMREST APIJenkins ver. 1.609.3

demo [Jenkins]


Personal Access Tokens


Adriaan


demo/job/demo/


 **Jenkins**


Jenkins > demo > [ENABLE AUTO REFRESH](#)


 [Back to Dashboard](#)


 [Status](#)


 [Changes](#)


 [Workspace](#)


 [Build Now](#)

 [Delete](#) [open project](#)


 [Configure](#)


 [Modules](#)

 [GitHub](#)


 [GitHub Hook Log](#)

Maven project demo


 [Workspace](#)



 [Recent Changes](#)

Permalinks

 [add description](#)

[Disable Project](#)

 **Build History** [trend](#)

 [RSS for all](#)  [RSS for failures](#)

demo/job/demo/build?delay=0sec

Page generated: Nov 26, 2015 9:29:09 AM [REST API](#) [Jenkins ver. 1.609.3](#)

demo [Jenkins] x Personal Access Tokens x Adriaan

demo/job/demo/

Jenkins

search

Jenkins > demo > [ENABLE AUTO REFRESH](#)

Maven project demo

[add description](#)
[Disable Project](#)

- [Back to Dashboard](#)
- [Status](#)
- [Changes](#)
- [Workspace](#)
- [Build Now](#)
- [Delete Maven project](#)
- [Recent Changes](#)
- [Workspace](#)
- [Permalinks](#)
- [GitHub](#)
- [GitHub Hook Log](#)
- [Build History](#) [trend](#)

Nov 26, 2015 9:29 AM

[RSS for all](#) [RSS for failures](#)

demo/job/demo/build?delay=0sec


Page generated: Nov 26, 2015 9:29:09 AM [REST API](#) [Jenkins ver. 1.609.3](#)

demo [Jenkins]


Personal Access Tokens


Adriaan


demo/job/demo/


 **Jenkins**


Jenkins > demo > [ENABLE AUTO REFRESH](#)


 [Back to Dashboard](#)


 [Status](#)


 [Changes](#)


 [Workspace](#)


 [Build Now](#)

 [Delete Maven project](#)


 [Configure](#)

 [Modules](#)


 [GitHub](#)


 [GitHub Hook Log](#)

Maven project demo


 [add description](#)



[Disable Project](#)


 [Workspace](#)

 [Recent Changes](#)

Permalinks

 [Build History](#) [trend](#)

 [RSS for all](#)  [RSS for failures](#)

 [Help us localize this page](#) Page generated: Nov 26, 2015 9:30:15 AM [REST API](#) [Jenkins ver. 1.609.3](#)

demo [Jenkins] x adriaandejonge/tryout x Adriaan

← → ↻ GitHub, Inc. [US] https://github.com/adriaandejonge/tryout

This repository Search Pull requests Issues Gist

adriaandejonge / tryout Unwatch 1 Star 0 Fork 22

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

Demo — Edit

55 commits 1 branch 0 releases 1 contributor

Branch: master New pull request New file Find file HTTPS https://github.com/adriaandejonge/tryout Download ZIP

adriaandejonge Update README.md Latest commit e36d6a4 39 seconds ago

src	Revert to original	2 days ago
README.md	Update README.md	38 seconds ago
pom.xml	Add test	4 months ago

README.md

NEXT STEPS: CHECK THAT THE WEB HOOK GOT AUTO-REGISTERED IN YOUR REPOSITORY

© 2015 GitHub, Inc. Terms Privacy Security Contact Help Status API Training Shop Blog About Pricing

https://github.com/adriaandejonge/tryout/settings

demo [Jenkins] x Options x

GitHub, Inc. [US] <https://github.com/adriaandejonge/tryout/settings>

This repository Search Pull requests Issues Gist

adriaandejonge / tryout Unwatch 1 Star 0 Fork 22

Code Issues 0 Pull requests 0 Wiki Pulse Graphs Settings

Options

- Collaborators
- Branches
- Webhooks & services
- Deploy keys

Settings

Repository name

tryout Rename

Features

- ☒ Wikis
GitHub Wikis is a simple way to let others contribute content. Any GitHub user can create and edit pages to use for documentation, examples, support, or anything you wish.
- ☐ Restrict editing to collaborators only
Public wikis will still be readable by everyone.
- ☒ Issues
GitHub Issues adds lightweight issue tracking tightly integrated with your repository. Add issues to milestones, label issues, and close & reference issues from commit messages.

GitHub Pages

Automatic page generator

Create a beautiful site for your project with our automatic [GitHub Pages](#) generator. Author your content in our Markdown editor, select a theme, then publish.

Launch automatic page generator

Custom and Jekyll-based sites

To publish a page manually, push an HTML or [Jekyll](#) site to a branch named gh-pages. Read the [Pages help article](#) for information.

<https://github.com/adriaandejonge/tryout/settings/hooks>

demo [Jenkins] x Webhooks & Services x Adriaan

← → ↻ GitHub, Inc. [US] https://github.com/adriaandejonge/tryout/settings/hooks

This repository Search Pull requests Issues Gist

adriaandejonge / tryout Unwatch 1 Star 0 Fork 22

<> Code ⓘ Issues 0 Wiki Pull requests 0 Settings

Options Collaborators Branches **Webhooks & services** Deploy keys

Webhooks Add webhook

Webhooks allow external services to be notified when certain events happen within your repository. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

✓ http://104.197.31.120:8080/github-webhook

Services Add service

Introducing the Integrations directory

Everything you need to build software is now in one place. The directory lists some of the highest quality integrations made to help you build your software better, together.

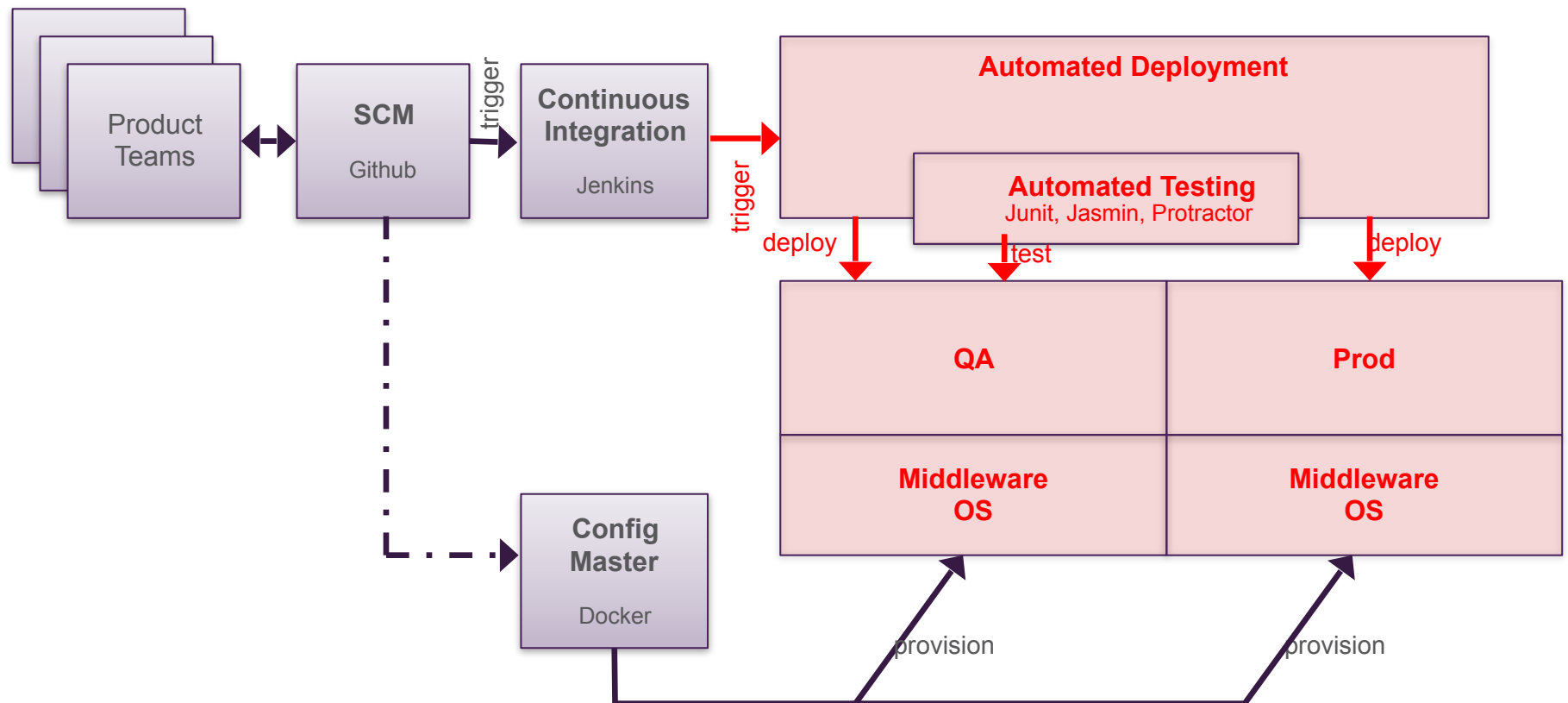
[Browse](#)

Services are pre-built integrations that perform certain actions when events happen on GitHub. For more information on services check out our [service hooks guide](#).

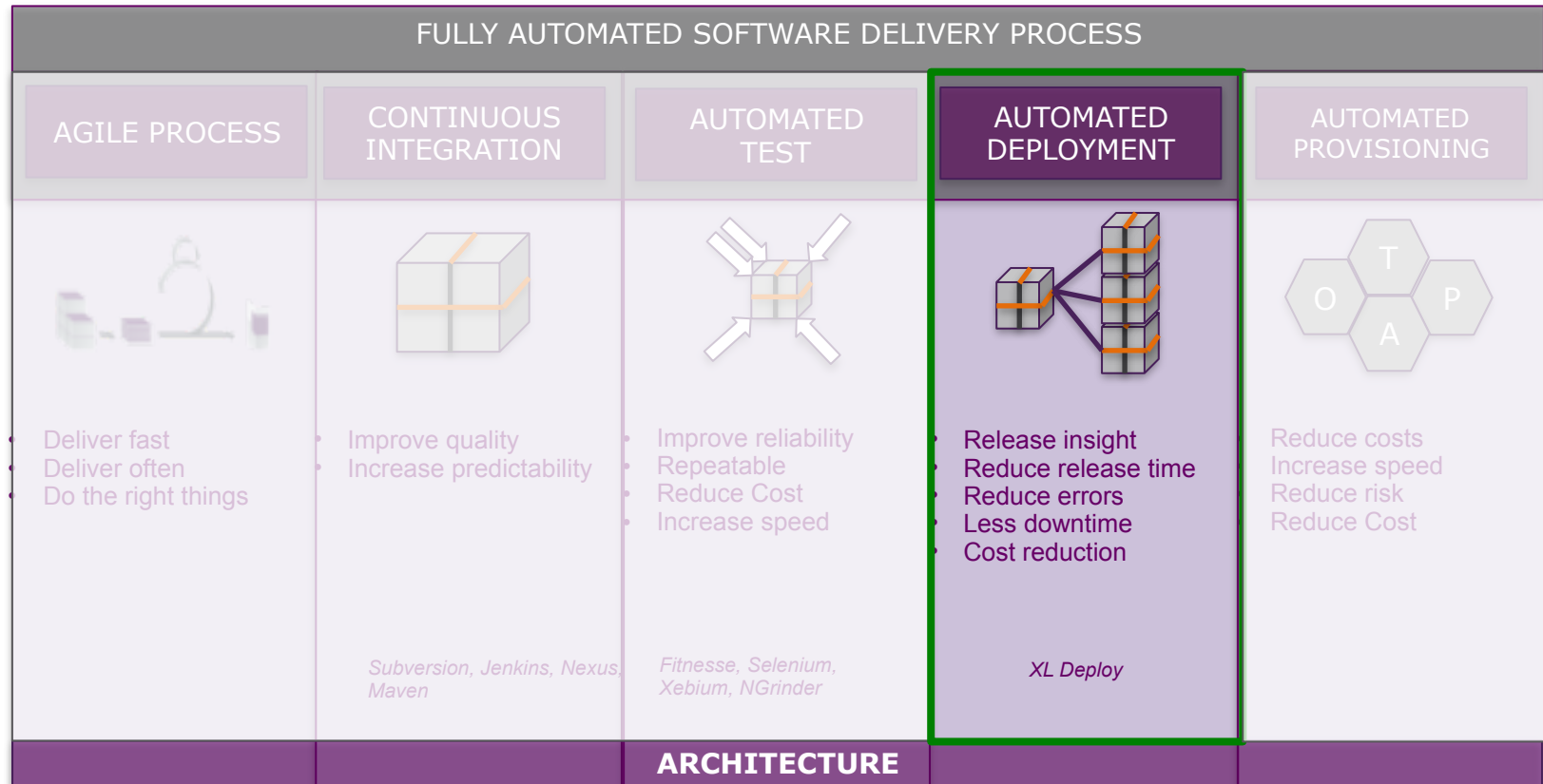
© 2015 GitHub, Inc. Terms Privacy Security Contact Help Status API Training Shop Blog About Pricing

https://github.com/adriaandejonge/tryout/settings/hooks/6515257

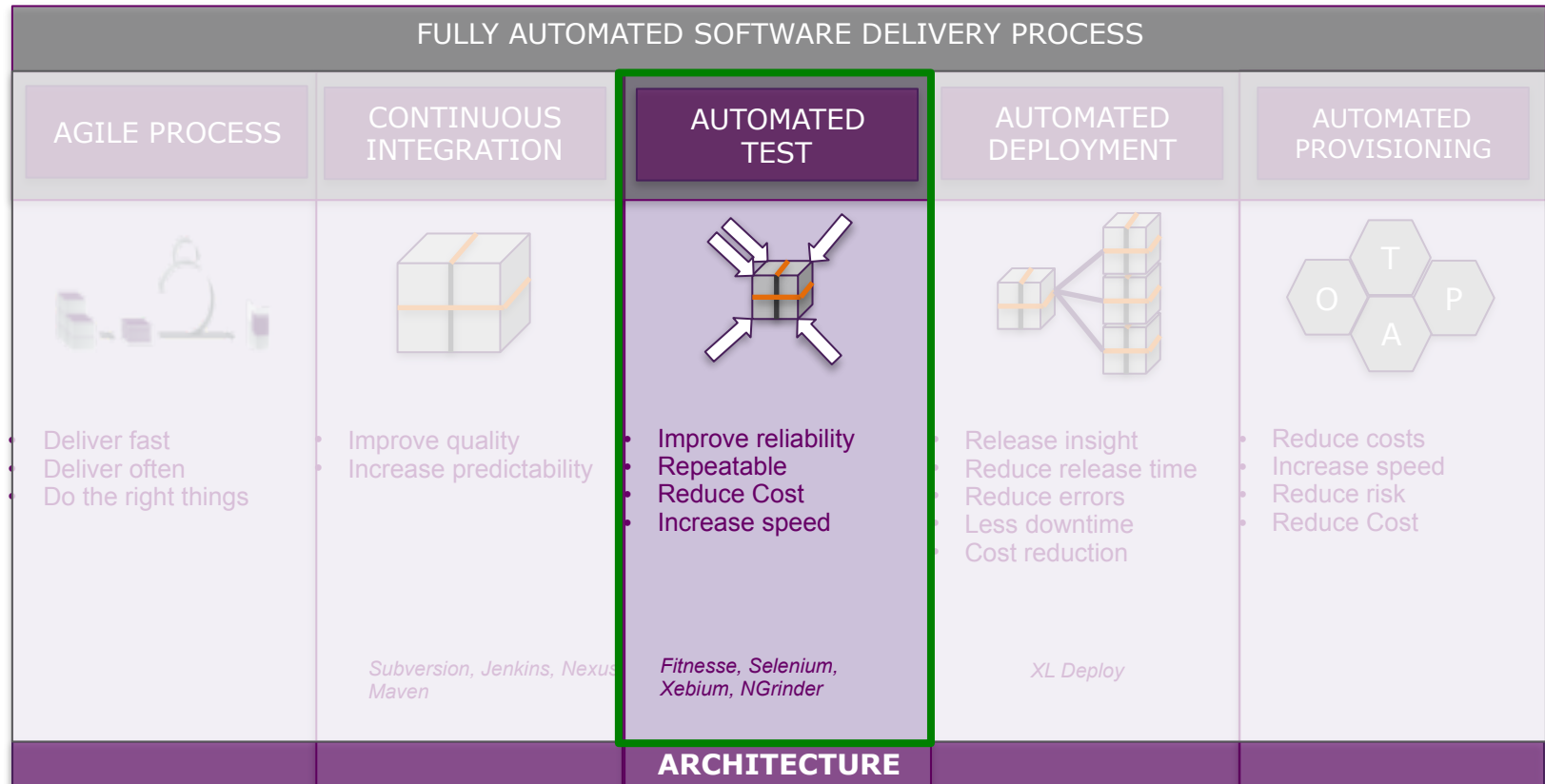
THE MISSING PARTS – SO FAR



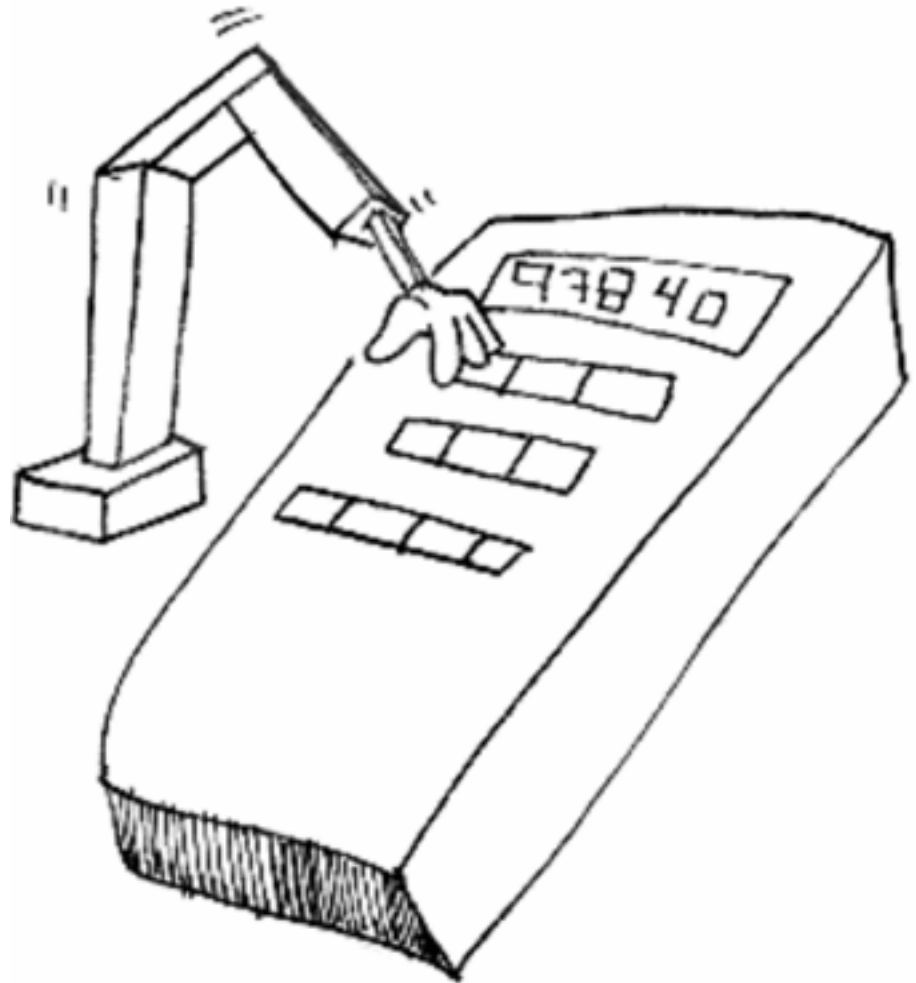
AUTOMATED DEPLOYMENT



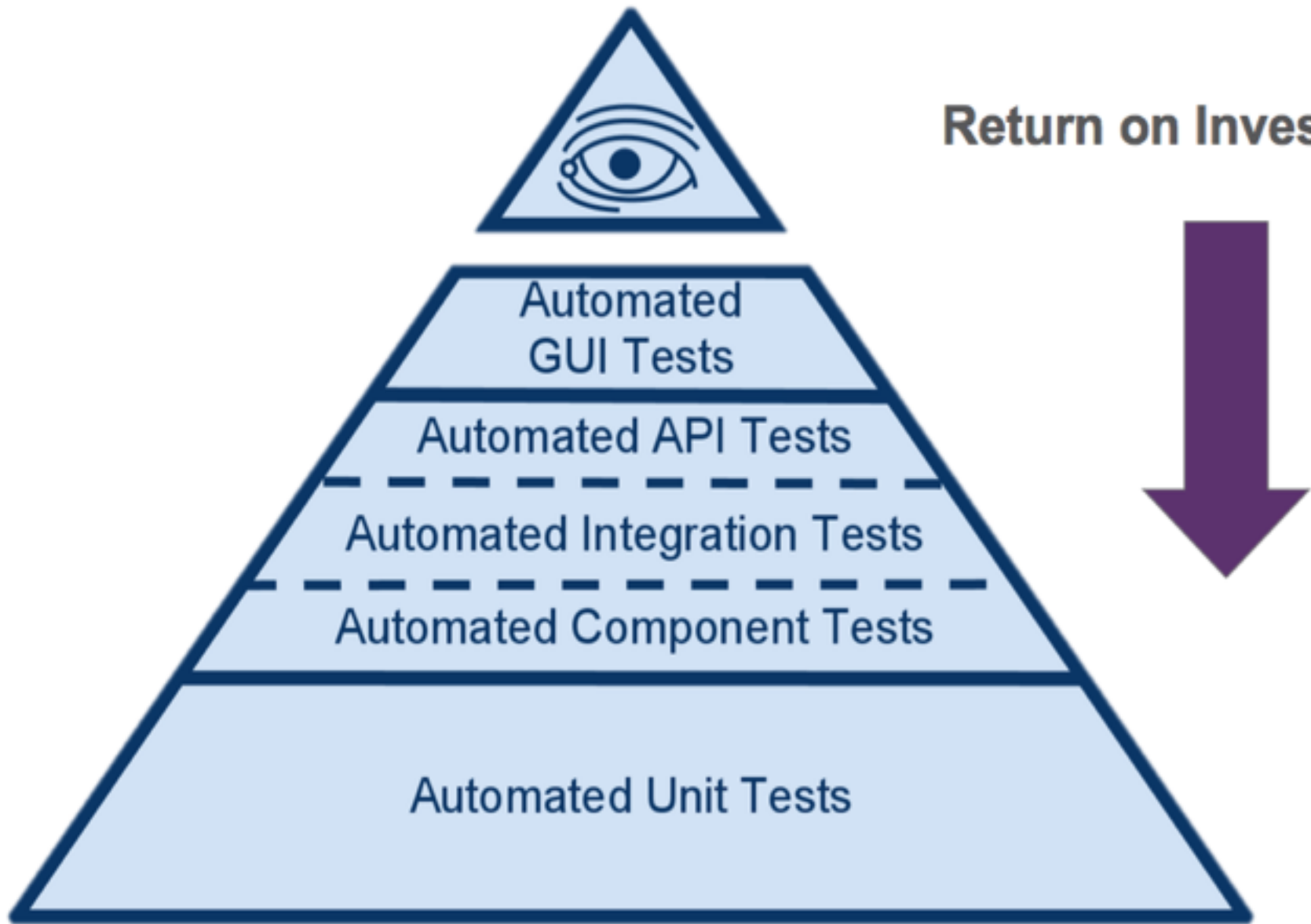
TEST AUTOMATION



TEST AUTOMATION



TEST AUTOMATION





git

Build

Deploy

System
Test

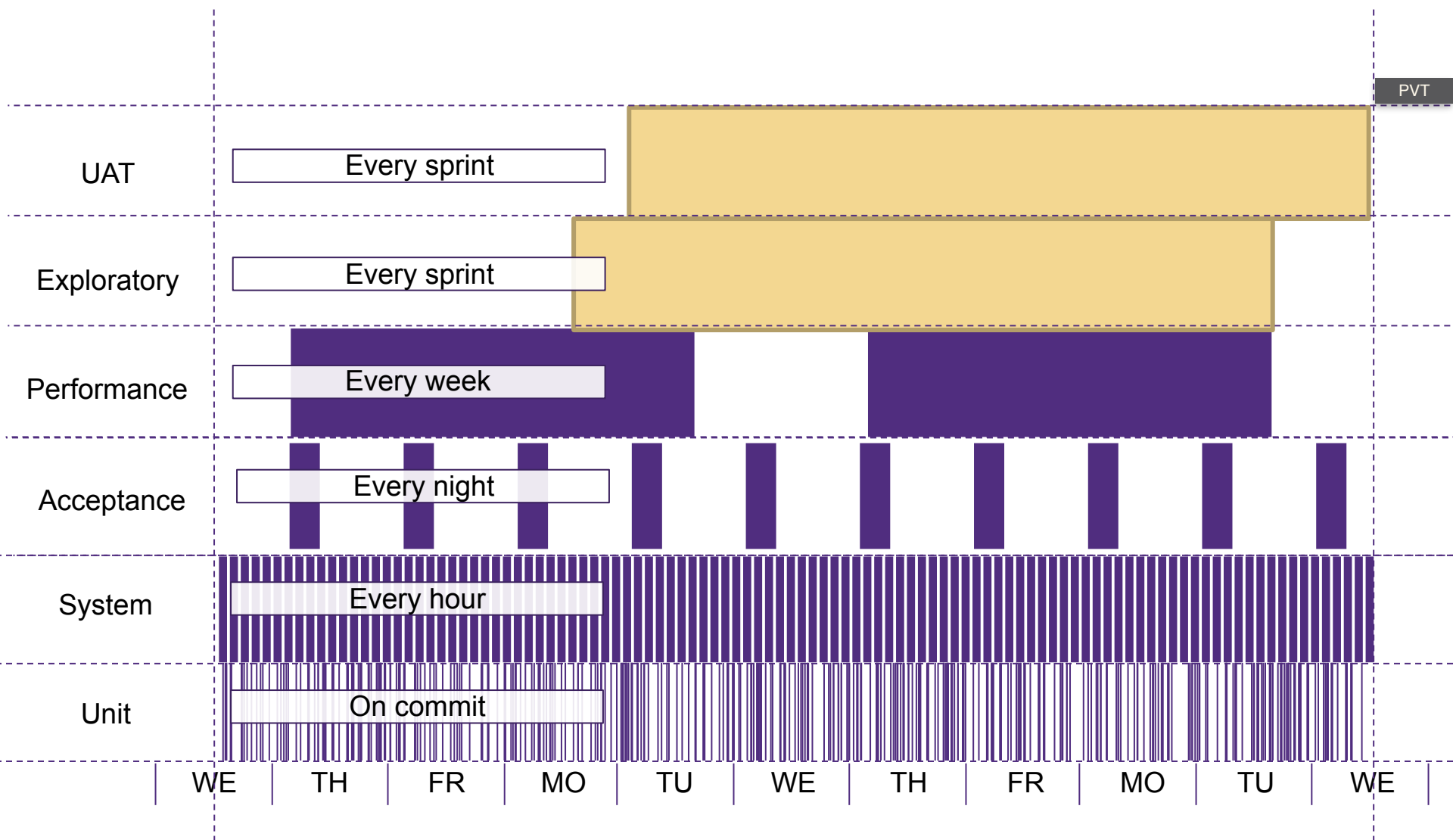
Acceptanc
e
Test

Regression
Test

Unit Test

Smoke Test

Integr Tst



TEST FRAMEWORK

Scenario: Login with valid credentials

Gegeven een gebruikersaccount waarmee ingelogd kan worden
Wanneer de gebruiker inlogt met de gebruikersaccount
Dan is de gebruiker ingelogd

Script	Login		
login with username	sorobot001	and password	Amsterdam20
check	user	sorobot001	is logged in

Scenario

Test

=

+

Code

```
1 package nl.stater.testframework.frameworks.fittesse;  
2  
3 import nl.stater.testframework.testrunners.selenium.pages.LoginPage;  
4  
5 import java.io.IOException;  
6  
7 public class LoginFixture {  
8  
9     private LoginPage estate;  
10  
11     public LoginFixture() throws IOException {  
12         estate = new LoginPage();  
13     }  
14  
15     public void loginWithUsernameAndPassword(String username, String password) {  
16         estate.init();  
17         estate.doLogin(username, password);  
18     }  
19  
20     public boolean userIsLoggedIn(String username) {  
21         return estate.isLoggedIn(username);  
22     }  
23 }  
24
```

CONNECT SCENARIO TO CODE

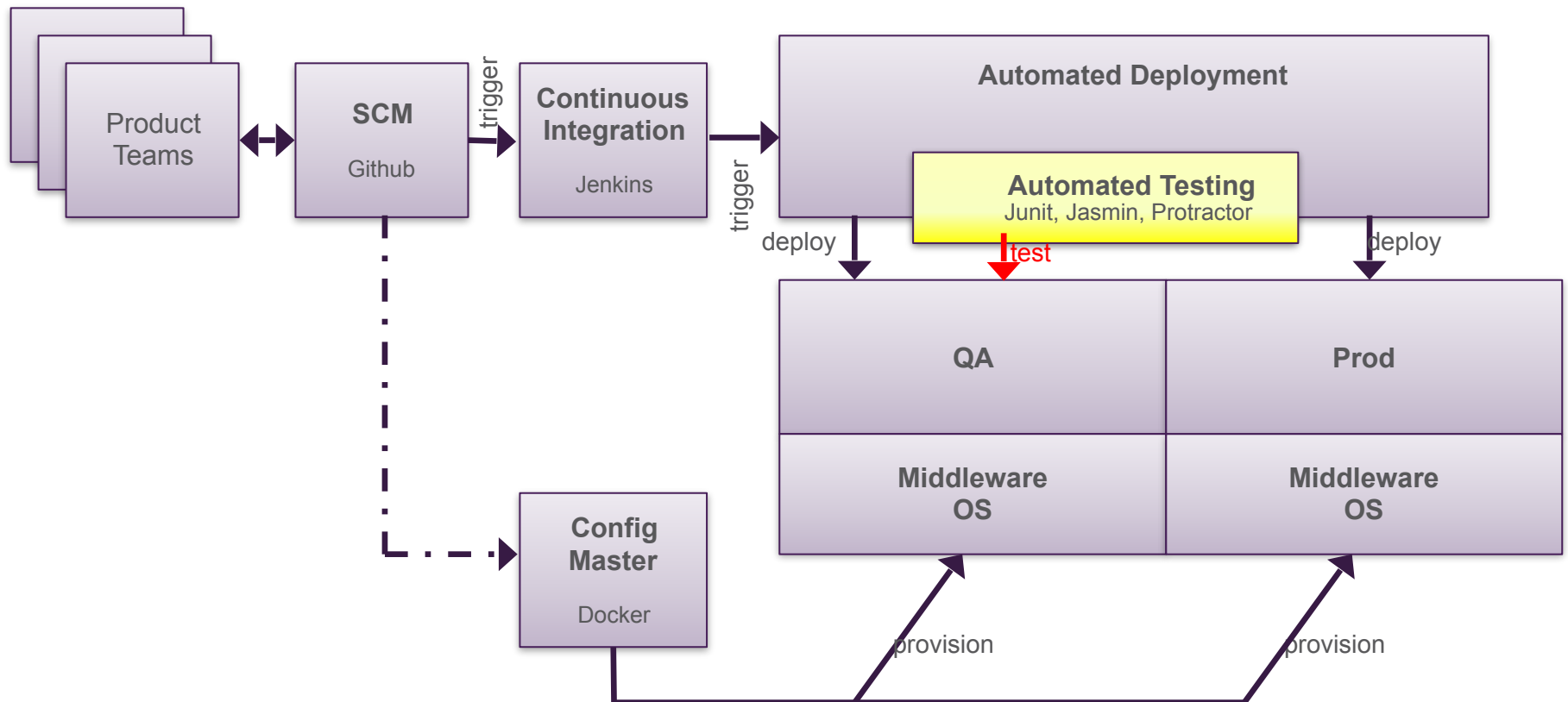
Scenario: Login with valid credentials

Gegeven een gebruikersaccount waarmee ingelogd kan worden
Wanneer de gebruiker inlogt met de gebruikersaccount
Dan is de gebruiker ingelogd

Script	Login		
login with username	sorobot001	and password	Amsterdam20
check	user	sorobot001	is logged in

```
1 package nl.stater.testframework.frameworks.fitness;  
2  
3 import nl.stater.testframework.testrunners.selenium.pages.LoginPage;  
4  
5 import java.io.IOException;  
6  
7 public class LoginFixture {  
8  
9     private LoginPage estate;  
10  
11     public LoginFixture() throws IOException {  
12         estate = new LoginPage();  
13     }  
14  
15     public void loginWithUsernameAndPassword(String username, String password) {  
16         estate.init();  
17         estate.doLogin(username, password);  
18     }  
19  
20     public boolean userIsLoggedIn(String username) {  
21         return estate.isLoggedIn(username);  
22     }  
23 }  
24
```

THE MISSING PARTS – SO FAR



TRY THE TEST CASE MANUALLY