


Hands-on: How to use and create Jenkins themes?

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What if Jenkins had themes?

It does!

 **Jenkins**

Suchen

TOBIAS GRUETZMACHER | ABMELDEN

Jenkins

AUTO-AKTUALISIERUNG EINSCHALTEN

+

 Element anlegen

Benutzer

Build-Verlauf

Jenkins verwalten

Meine Ansichten

Zugangsdaten

Ansicht anlegen

Beschreibung hinzufügen

Alle						
S	W	Name ↓	Letzter Erfolg	Letzter Fehlschlag	Letzte Dauer	
✓	⚙	FreeStyle	11 Monate - #1	Unbekannt	5,1 Sekunden	▶
—	⚙	haha	Nicht anwendbar	Unbekannt	Nicht anwendbar	▶
✓	☁	Pipe	11 Monate - #5	11 Monate - #4	1,4 Sekunden	▶
✓	⚙	seed	9 Monate 19 Tage - #1	Unbekannt	0.85 Sekunden	▶

Symbol: S M L Legende RSS Alle Builds RSS Nur Fehlschläge RSS Nur jeweils letzter Build

Build-Warteschlange

Keine Builds geplant

Build-Prozessor-Status

1 Ruhend

2 Ruhend



Agenda

- Introduction to the Simple Theme Plugin
- How to do a small changes to the UI?
- How to do a bigger theme or to create a new one?
- UI/UX Hackfest: Working on a Jenkins Dark Theme together



Using UI Themes in Jenkins

- [Simple Theme Plugin](#) - allows customizing the Jenkins UI by providing custom CSS and Javascript files. It also supports replacing the Favicon
 - a. There are many [themes](#) created by Jenkins users.
- [Login Theme Plugin](#) - allows modifying or replacing the Jenkins login screen. It is required to customize login screens starting from Jenkins 2.128 ([announcement](#)).

Documentation: <https://www.jenkins.io/doc/book/managing/ui-themes/>



Theme Support Policy

Jenkins themes are provided “as is”, without warranty of any kind, implicit or explicit. The Jenkins core, plugins and other component updates may break theme compatibility without notice.

<https://www.jenkins.io/doc/book/managing/ui-themes/#themes-support-policy>



A new look for Jenkins

Easy theming using the Simple Theme Plugin



Getting started

- Installation (<https://plugins.jenkins.io/simple-theme-plugin/>)
- Configuration (<http://localhost:8080/configure>)
 - Theme elements
 - CSS URL
 - Extra CSS
 - Favicon URL (Example: <https://www.wikipedia.org/static/favicon/wikipedia.ico>)
 - JavaScript URL

Live Demo



Simple changes (Extra CSS)

- Change headers: `h1 { color: red; }`
- Hide logo: `#jenkins-head-icon { display: none; }`
- Replace logo:

```
#jenkins-head-icon {  
  width: 0;  
  height: 0;  
  padding: 32px;  
  background: url(http://icons.iconarchive.com/icons/icojam/matreshka/48/red-matreshka-inside-icon-icon.png ) ;  
  background-repeat: no-repeat;  
}
```



Using themes

- Neo2 (<https://tobix.github.io/jenkins-neo2-theme/>)
- Material (<http://afonsof.com/jenkins-material-theme/>)

Older themes probably don't look good on modern Jenkins:

- Rackspace Canon (<https://github.com/rackerlabs/canon-jenkins>)



Developing themes

Example: Neo2 (<https://github.com/TobiX/jenkins-neo2-theme>)

- LESS
- cssnano
- Grunt
- yarn



Live Hands-On

Dark Theme

WELCOME TO THE DARK SIDE



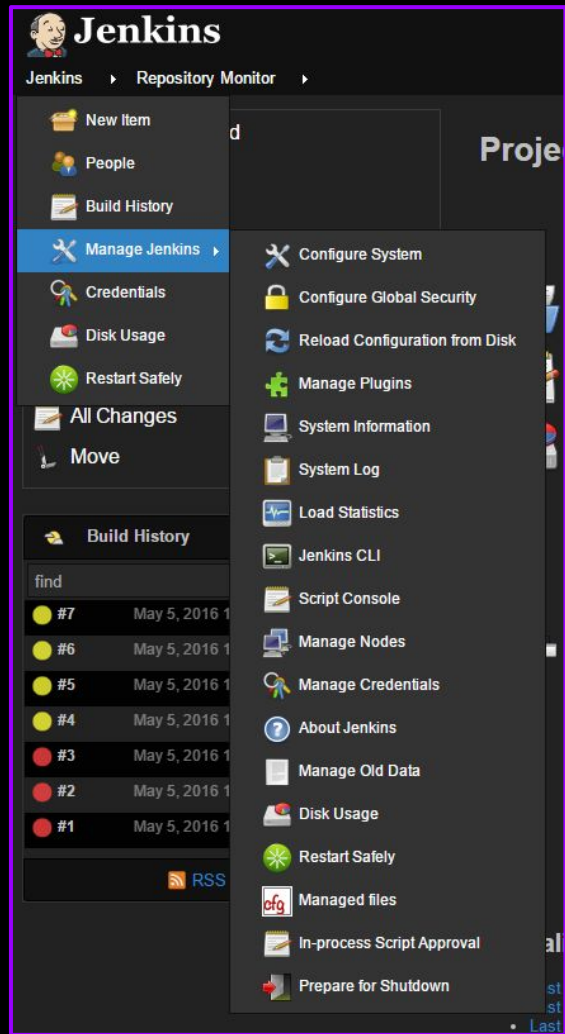
COOKIES FOR EVERYONE!

Experiments

- Neo2 Theme Dark mode (removed)
- [camalot/jenkins-dark-stylish](https://github.com/camalot/jenkins-dark-stylish)
- Other (abandoned?) themes
- ...



Jenkins





Script Console

Type in an arbitrary [Groovy script](#) and execute it on the server. Useful for troubleshooting.

```
println(Jenkins.instance.pluginManager.plugins)
```

All the classes from all the plugins are visible. `jenkins.*`, `jenkins.model.*`.

```
1 import groovy.xml.MarkupBuilder
2 import groovy.xml.StreamingMarkupBuilder
3
4 def markupBuilder = new MarkupBuilder()
5
6 assert markupBuilder != null
7
8 assert new StreamingMarkupBuilder() != null
```





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```

Build Queue (1)



Applications » **jenkins-local-cookbook** » develop
-to-master



Build Executor Status



slave (172.28.128.7)

- 1 Idle
- 2 Idle
- 3 Idle
- 4 Idle

windows-build-slave

- 1 Idle
- 2 Idle
- 3 Idle
- 4 Idle



Challenges

- Hard to maintain
- Need in custom images
- Not official

Official Dark Theme?

UI/UX Hackfest 2020

- Just started...
 - <https://github.com/jenkinsci/dark-theme>
- Official incubated project
- Jenkins core changes needed:
 - CSS variables
 - Maintaining browser compatibility is a challenge
- [May 27 Meeting notes](#)



DEMO!

UI/UX Hackfest ideas

- Create a new Dark theme for Jenkins ([JENKINS-61480](#))
- Blue Ocean Theme - apply Blue Ocean styling to the Jenkins UI
- Improve existing themes and adapt them to recent Jenkins versions (e.g. [Neo2 theme](#))
- Document managing themes in the [Simple Theme Plugin](#) docs
- Create a new microsite on github.io or jenkins.io with themes listing (aka "theme marketplace")

