

IG Induction

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Prerequisites

Assumes basic inductions completed:

- [FR admin \(see intranet\)](#)
- [HR](#)
- [IT](#)
- [OpenAM new starter induction](#)

Assumes guidelines:

- [Forgerock coding guidelines](#)
- [Forgerock coding style and guidelines](#)
- [Java coding style](#)
- [Pull request etiquette](#)

Infrastructure

Mentor to add the new hire to the appropriate online resources:

Calendars

- Edge Team: for holidays, meaningful events
- Edge Sprint Demo: add invitee
- IG Sprint: add invitee
- IG Standup: add invitee
- Grenoble:
 - Grenoble holidays: if you're in Grenoble, record your vacations here
- Bristol: ?

Slack

IG

- #ig
- #ig-dev
- #ig-backend
- #ig-engineering
- #ig-vcs
- ...

Edge

- #fr-edge-team: private for team members (management)
- #edge-engineering

Set-up

Laptop setup

Development environment setup:

- java
- maven
- git/ stash
- Bitbucket
- IntelliJ (Community-only)

Git issues on Mac:

- Download git - if not installed:

- There is an issue where your git installation may be overridden by the MacOS (Xcode) veneer. To overcome this:
 - Don't bother trying to mv /usr/bin/git /usr/bin/git/system - as the Mac security does not permit this (even as root)
 - Just confirm your git installation is working and alias it:
 - See below:

overriding MacOS git veneer

```
# git command line fails after install - even if found on $PATH ok
10:22:00 3 $ which git
/usr/local/bin/git
10:22:37 4 $ git
xcode-select: note: no developer tools were found at '/Applications/Xcode.app', requesting
install. Choose an option in the dialog to download the command line developer tools.
# installation fine though
10:22:40 5 $ /usr/local/bin/git
usage: git [--version] [--help] [-C <path>] [-c name=value]
        [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path] ...
# sudo mv MacOS git not permitted - even logged in as root!
sudo mv /usr/bin/git /usr/bin/git-system
Password:
mv: rename /usr/bin/git to /usr/bin/git-system: Operation not permitted
# fix is to alias - add to ~/.bash_profile
alias git=/usr/local/bin/git
10:34:30 23 $ git
usage: git [--version] [--help] [-C <path>] [-c name=value]
        [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path] ...
```

Codebase setup

IG git repos:

- [IG git repo](#)
- [MicroGateway repo](#)
- [MicroService Token Validation repo](#)

For each desired repo, fork then clone...

- Instructions:
 - Create your own ssh key (ssh-keygen)
 - From the master repo, fork it:
 - Forking it allows you to have your own copy of the repo.
 - Clone your forked repo on your laptop - with command line or with SourceTree:
 - e.g. git clone ssh URL of *your* new forked repo

clone your repo

```
# generate ssh key
10:10:56 132 $ ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/wayne.morrison/.ssh/id_rsa):
Created directory '/Users/wayne.morrison/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/wayne.morrison/.ssh/id_rsa.
Your public key has been saved in /Users/wayne.morrison/.ssh/id_rsa.pub.

# navigate to your forked repo and select clone to reveal the URL (use the ssh URL)
# you may need to navigate to your repo via your user profile
10:35:17 33 $ pwd
/Users/wayne.morrison/dev
10:35:18 35 $ git clone ssh://git@stash.forgerock.org:7999/~wayne.morrison/openig.git
Cloning into 'openig'...
...
```

Pyforge setup

Pyforge is a python-based functional testing framework used by IG QA. It is also very useful in quickly configuring an environment representing a particular use-case.

It may not be immediately useful to you. To install and configure see [Pyforge Installation Guide](#).

IG Resources

- [IG Home](#):

- General IG artifacts: some design docs, how-to, etc
- [IG Planning Home](#)
- [IG Sprint Overview](#)
 - Sprint themes and goals
 - Sprint reports and demos (recordings)
- [IG Open Issues](#) (bugster)
- IG docs:
 - IG docs on [Backstage](#)
 - IG docs on [early access](#)

Conventions

Git commit

The team follows this convention: <https://chris.beams.io/posts/git-commit/>

With the addition of the JIRA issue number as a commit message prefix: `OPENIG-666 Add support for CORS`

Training

- [Getting Started Guide \(6.5\)](#)
 - Let's get IG up and running...
- [Gateway Guide \(6.5\)](#)
 - a deeper understanding
 - Installation and configuration: sections 1 and 2
 - Tutorials - start with: 5, 6, 9, 10
- [How to file a bug](#)

If necessary:

- [git training](#)
 - [Git for ages 4 and up](#)
 - [Git the simple guide](#)
- `oauth2`
 - [OAuth site](#)
 - [IETF OAuth2 spec](#)
 - Simplified:
 - [Introduction with flows](#)
 - [OAuth2 Simplified by Aaron Parecki](#)
 - [Understanding OAuth2 token authentication - javacodegeeks](#)
 - [Discussion of key concepts](#)