ARTbio
IBPS

Galaxy
ADMINS

Managing the ARTBbio infrastructure with ansible

https://mississippi.snv.jussieu.fr/artbio/
https://artbio.github.io/ansible-artimed

ARTbio
IBPS

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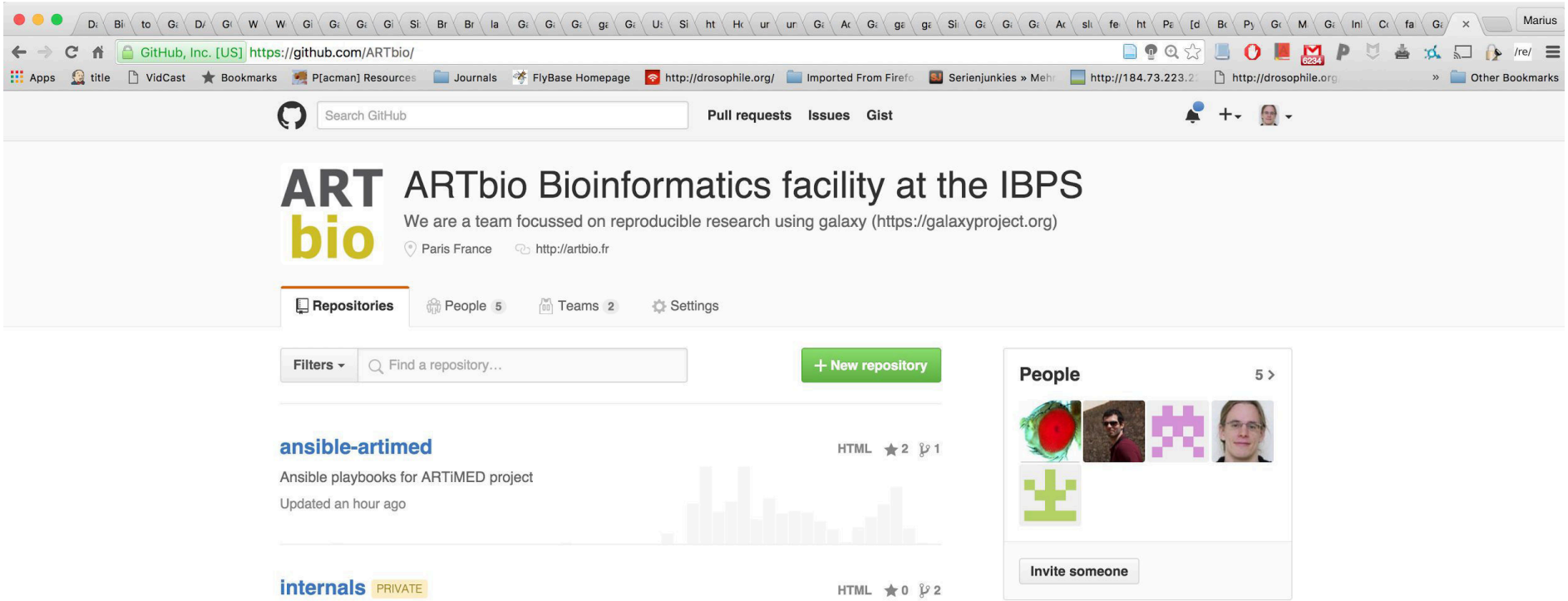
GitHub, Inc. [US] https://github.com/ARTbio/
Search GitHub
Pull requests
Issues
Gist
ART bio
ARTbio Bioinformatics facility at the IBPS
We are a team focussed on reproducible research using galaxy (https://galaxyproject.org)
Paris France
http://artbio.fr
Repositories
People 5
Teams 2
Settings
Filters
Find a repository...
+ New repository
ansible-artimed
HTML 2 1
Ansible playbooks for ARTiMED project
Updated an hour ago
internals PRIVATE
HTML 0 2
Contains configuration, documentation and short scripts
Updated 4 days ago
ansible-galaxy
Python 0 12
forked from galaxyproject/ansible-galaxy
An Ansible role for managing a Galaxy (http://galaxyproject.org) server.
Updated 5 days ago
People 5 >
Invite someone

What we do

Drosophila Genetics & Epigenetics since 2003, worked with Galaxy since 2011, then platform (since 2015!) associated to biology department (IBPS)

-> We help and advise with all things related to sequencing

Encourage users to create and use workflows

The user (should) do their analysis, we’re just there to get them going.

We also develop tools when necessary

We got our own research into how to do this best

Our philosophy

We accompany an analysis

The users learn to use and create workflows

If within our expertise, we advise on the experimental design, the analysis steps and we develop tools

We think that workflows and input-data should be all that is needed to reproduce an analysis, and hence what must be conserved.

The challenge: infrastructure and time

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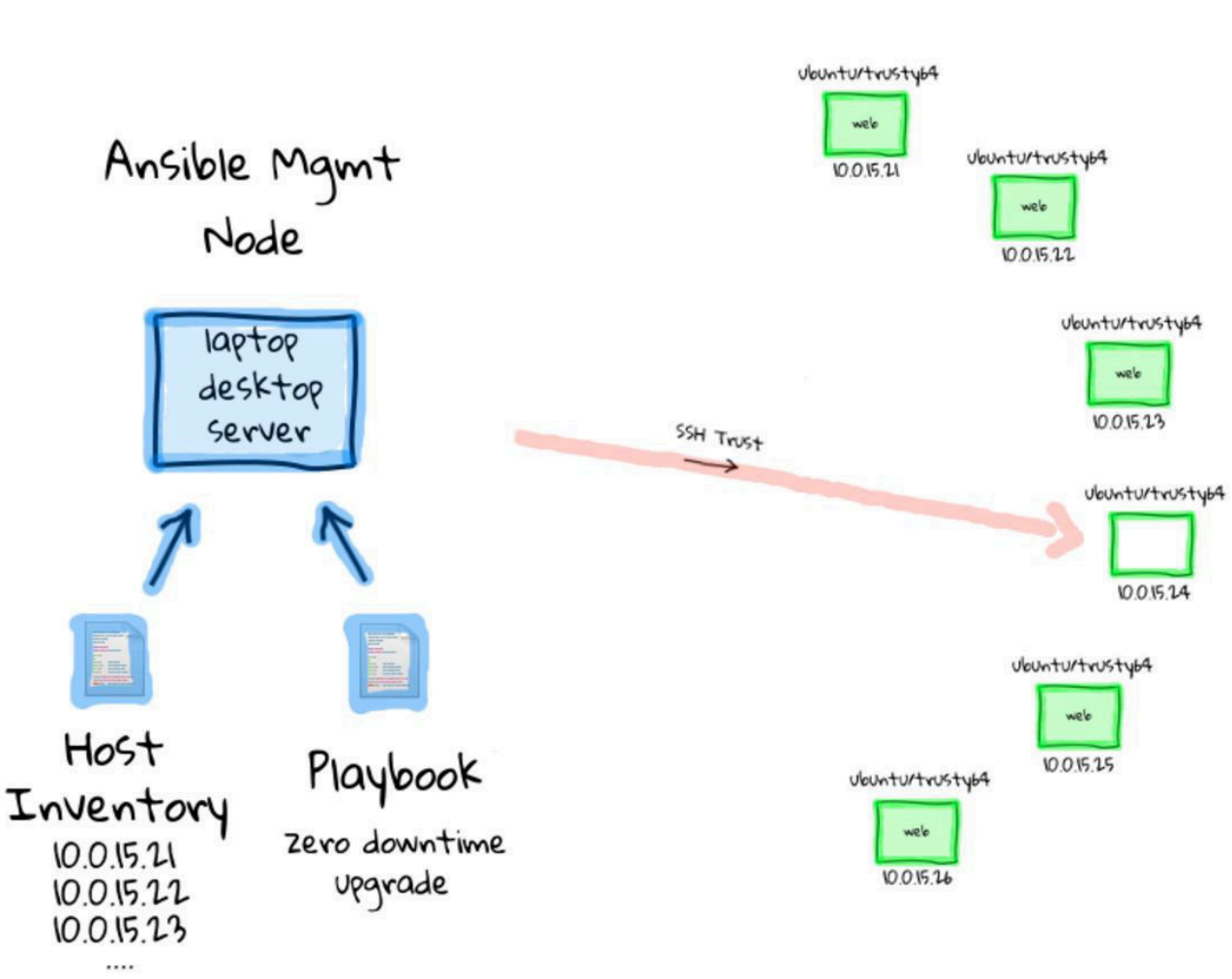
https://mississippi.snv.jussieu.fr -- Public

https://lbcd41.snv.jussieu.fr -- Internal to biology department

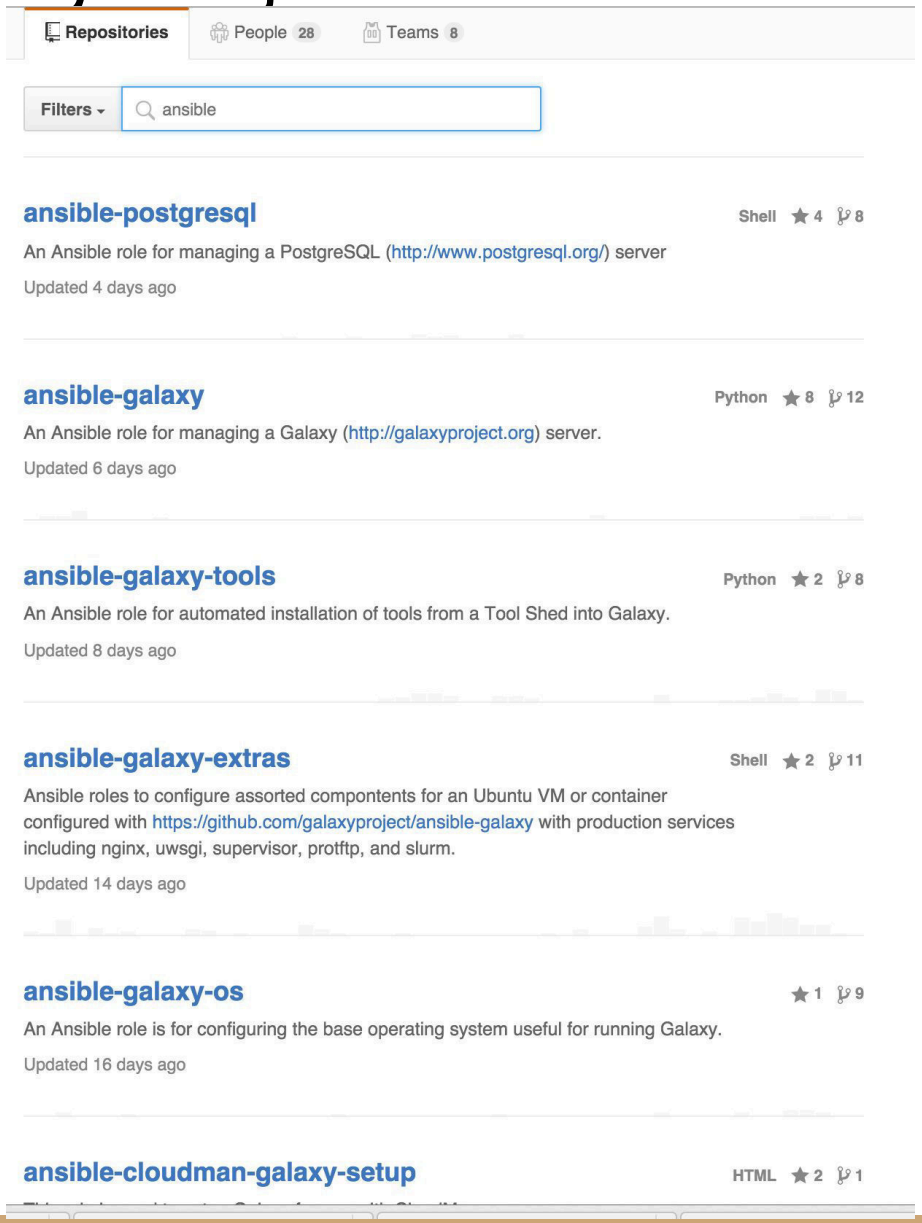
https://artimed.???.fr -- Collaboration with L'hôpital Saint-Antoine

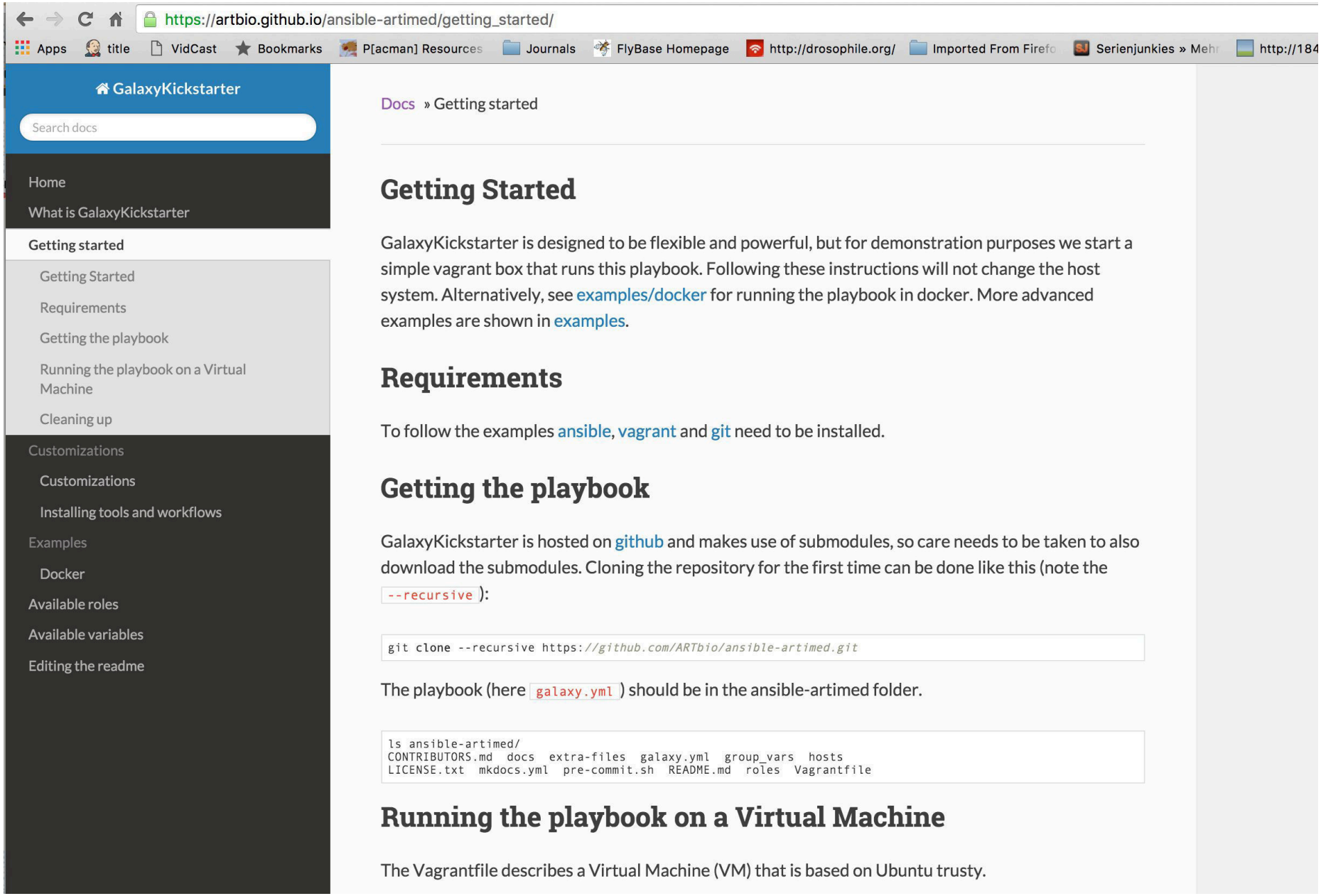
Ansibilize everything



https://sysadmincasts.com/episodes/43-19-minutes-with-ansible-part-1-4

Ansibilize everything




https://artbio.github.io/ansible-artimed/getting_started/
Apps
title
VidCast
Bookmarks
P[acman] Resources
Journals
FlyBase Homepage
http://drosophile.org/
Imported From Firefo
Serienjunkies » Mehr
http://184
GalaxyKickstarter
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Home
What is GalaxyKickstarter
Getting started
Getting Started
Requirements
Getting the playbook
Running the playbook on a Virtual Machine
Cleaning up
Customizations
Customizations
Installing tools and workflows
Examples
Docker
Available roles
Available variables
Editing the readme
Docs » Getting started
Getting Started
GalaxyKickstarter is designed to be flexible and powerful, but for demonstration purposes we start a simple vagrant box that runs this playbook. Following these instructions will not change the host system. Alternatively, see examples/docker for running the playbook in docker. More advanced examples are shown in examples.
Requirements
To follow the examples ansible, vagrant and git need to be installed.
Getting the playbook
GalaxyKickstarter is hosted on github and makes use of submodules, so care needs to be taken to also download the submodules. Cloning the repository for the first time can be done like this (note the --recursive):
git clone --recursive https://github.com/ARTbio/ansible-artimed.git
The playbook (here galaxy.yml) should be in the ansible-artimed folder.
ls ansible-artimed/
CONTRIBUTORS.md docs extra-files galaxy.yml group_vars hosts
LICENSE.txt mkdocs.yml pre-commit.sh README.md roles Vagrantfile
Running the playbook on a Virtual Machine
The Vagrantfile describes a Virtual Machine (VM) that is based on Ubuntu trusty.

Ansible Pro's and Con's

Too early to say ...

but a lot of work to be done:

- Make sure workflows have all the tools
- Tool installation was really successful
- Build incremental docker images for deployment
- Documentation / executable documentation, variable annotation syntax

  # :role:variable:description ?

- Testing, testing ... testing