

Ansible playbooks

For now that we don't really have a server for this purpose, I'm using my laptop to deploy configurations using Ansible. (Remi)

```
playbooks:-> <role_name>.yaml (Playbooks to run)
  |-> inventory.ini (List of all servers to run playbooks on)
  |-> isc_compute.ini (Chacha and Disco for example)
  |-> labs.ini (Calypso nodes)
  |-> test.ini (Custom list)
  |-> users.yaml (The main source for users IDs and assignation
of groups, since we don't have access
  | to the HES LDAP to manage groups ourselves
there. Contains UID/GID, shell and pass
  | only for the default/rescue user)
  |
  L-> roles:-> calypso-sys: (Configures all calypso worker nodes,
with all
  | users, software, and system configs)
  |-> rumba-sys: (Configures rumba master, with all
  | users, software, and system configs)
  |-> isc_compute: (Configures Disco and Chacha users,
software and system configs)
  |-> julia: (Installs Julia for a user, since
there are no system-wide install)
  |-> k8s: (Configures Kubernetes on all Calypso
nodes)
  |-> master-sys: (Configures system configs specific on
calypsomaster only)
  |-> munge: (Needed to authenticate SLURM nodes on
Calypso and ISC Compute)
  |-> nvidia-cuda: (Needed to allow servers to use Nvidia
GPUs)
  |-> prometheus: (TODO : Installs prometheus exporters
and server, separate in 2 playbooks)
  |-> slurm_research: (TODO : redo all installation part
from compilation
  | install, separate install from
config)
  |-> slurm_calypso: (TODO : redo all installation part
from compilation
  | install, separate install from
config)
```

Ansible roles

Calypso-sys

Manages all Calypso lab servers configurations.

```

calypso-sys/-> tasks/-> main.yml      (All tasks to configure timezone, system
umask, groups and users, default user,
      |      |      base packages, ssh keys deployment, NFS
homes configs, symlinks in each home,
      |      |      fastfetch install, systemd tweaks to
fasten boot time, set /etc/hosts entries,
      |      |      put sudoers files, install Apptainer,
then run isc[1,2,3].yaml tasks )
      |      |-> root.yml      (Specific root user configuration)
      |      |-> iscx.yml      (Configures students accounts for
isc[1,2,3] class)
      |
      |-> files/-> authorized_keys/-> user.name (SSH public keys to
deploy for each user)
      |
      |-> admin_user_home_config/      (Containing configs
like .zshrc, .config/ and .oh-my-zsh/ )
      |
      |-> sudoers.d/username      (Containing sudoers
specific files for a user, without
                                     dot in the name)

```

From: <https://wiki.isc-vs.ch/> - **The ISC wiki**

Permanent link: <https://wiki.isc-vs.ch/doku.php?id=administratif:tooling:ansible&rev=1758887545>

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