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|  | Chef Automate |

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|  | Author: | Sebastien Chartrand |
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# Document Control

## Document Control/Change History

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| **Version** | **Date** | **Comment** | **Editor** |
| 0.1 | 2018-12-14 | Draft | Sebastien Chartrand |
| 1.0 | 2018-12-14 | Final | Sebastien Chartrand |

# Install chef automate

Source <https://automate.chef.io/docs/install/>

1. Execute this command to download the installer binaries

curl https://packages.chef.io/files/current/latest/chef-automate-cli/chef-automate\_linux\_amd64.zip | gunzip - > chef-automate && chmod +x chef-automate && mv chef-automate /usr/local/bin

1. Adjusts your path

vi .bash\_profile

Add /usr/local/bin/ to your path ex: PATH=$PATH:$HOME/bin:/usr/local/bin/

Reload your profile

source .bash\_profile

1. Adjust those kernels it is required by the installer. The setting below are the recommended values for 32 GB of Ram

sysctl -w vm.max\_map\_count=480000

sysctl -w vm.dirty\_expire\_centisecs=30000

Add those also to /etc/sysctl.conf to make it permanent

tail /etc/sysctl.conf -n2

vm.dirty\_expire\_centisecs = 30000

vm.max\_map\_count = 480000

1. Install Automate

sudo chef-automate init-config

sudo chef-automate deploy config.toml

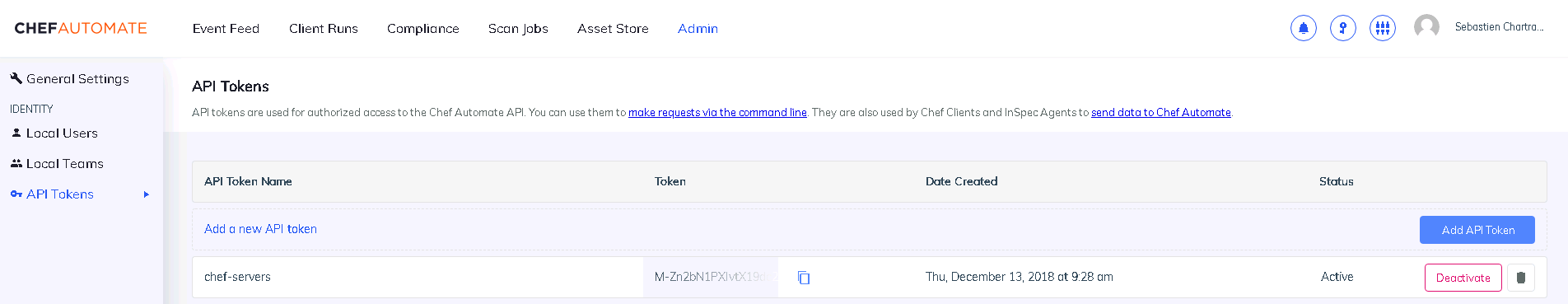
The default admin credentials are saved here

/root/automate-credentials.toml

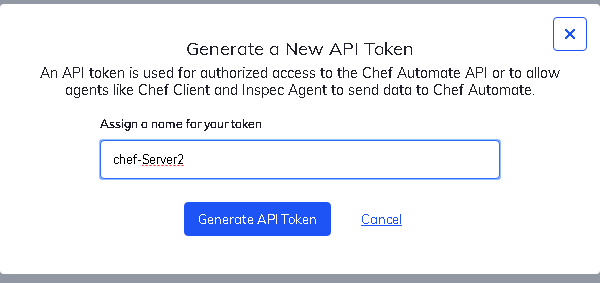
# Data Collection

Source <https://automate.chef.io/docs/data-collection/>

Login into the webui select, Admin then Api token, then press the Add Api token



Enter a name



Copy the token and set permission for token from the command line.

export TOK='M-Zn2bN1PXIvtX19dc2zViSLYak='

curl -s -H "api-token: $TOK" -H "Content-Type: application/json" -d '{"subjects":["token:95aef20b-0a4e-4698-bd69-ce2cf44c2e35"], "action":"read", "resource":"compliance:\*"}' https://localhost/api/v0/auth/policies

Then on each Chef servers you must configure the following:

sudo chef-server-ctl set-secret data\_collector token 'M-Zn2bN1PXIvtX19dc2zViSLYak='

sudo chef-server-ctl restart nginx

sudo chef-server-ctl restart opscode-erchef

# File systems and backups

/hab is the default automate directory, therefore it sits on its own filesystem. The recommended file systems are ZFS and xfs. Since Ubuntu is the only Linux distribution supporting zfs we choose xfs.

Volume information

pvdisplay /dev/sdb1

--- Physical volume ---

PV Name /dev/sdb1

VG Name automatevg

PV Size <650.00 GiB / not usable 2.00 MiB

Allocatable yes (but full)

PE Size 4.00 MiB

Total PE 166399

Free PE 0

Allocated PE 166399

PV UUID tMPMoY-rB7q-XKpu-793o-eRU6-ygnH-yY8eDO

vgdisplay automatevg

--- Volume group ---

VG Name automatevg

System ID

Format lvm2

Metadata Areas 1

Metadata Sequence No 2

VG Access read/write

VG Status resizable

MAX LV 0

Cur LV 1

Open LV 1

Max PV 0

Cur PV 1

Act PV 1

VG Size <650.00 GiB

PE Size 4.00 MiB

Total PE 166399

Alloc PE / Size 166399 / <650.00 GiB

Free PE / Size 0 / 0

VG UUID n7HdND-p7qV-1Wfl-3bqM-2a9M-jzC3-l7scAZ

lvdisplay /dev/automatevg/lv\_hab

--- Logical volume ---

LV Path /dev/automatevg/lv\_hab

LV Name lv\_hab

VG Name automatevg

LV UUID shnP6b-Ox9d-wZaX-6Y4x-OvcG-GQaA-PvTsQk

LV Write Access read/write

LV Creation host, time lvddccmnchefa01, 2018-12-13 12:35:09 -0600

LV Status available

# open 1

LV Size <650.00 GiB

Current LE 166399

Segments 1

Allocation inherit

Read ahead sectors auto

- currently set to 256

Block device 249:8.

grep automate /etc/fstab

/dev/mapper/automatevg-lv\_hab /hab xfs defaults 1 2

root@lvddccmnchefa01 ~]# df -hT /hab

Filesystem Type Size Used Avail Use% Mounted on

/dev/mapper/automatevg-lv\_hab xfs 650G 5.5G 645G 1% /hab

## Backups

A backup is set in root’s cron every day at 6:00 PM CST.

[root@lvddccmnchefa01 ~]# crontab -l

# Chef automate backup

0 18 \* \* \* /usr/local/bin/chef-automate backup create --no-progress

Backup location is /var/opt/chef-automate/backups/ , note that /var/ is a 10GB filesystem an that theirs’s still room to grow inside the roovg volume group.

[root@lvddccmnchefa01 ~]# vgdisplay rootvg|grep Free

Free PE / Size 6397 / <24.99 GiB