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Ansible CMDB

RHEL 7:

```
$ sudo useradd -d /opt/ansible_cmdb -s /bin/bash ansible
$ sudo mkdir /opt/ansible_cmdb
$ sudo chown -R ansible.ansible /opt/ansible_cmdb/
$ sudo cd /opt/
$ su - ansible
$ virtualenv --python=/usr/bin/python3.4 ansible_cmdb
$ cd /opt/ansible_cmdb/
$ source bin/activate
$ pip install ansible-cmdb
```

Configure Templates

If you used `/opt/ansible_cmdb` for your virtualenv, the templates will be on **`/opt/ansible_cmdb/lib/python3.4/site-packages/ansiblecmdb/data/tpl/`**.

We will modify `html_fancy`, the default template, we will display a new column on the table, we want see SELinux info.

```
$ cd /opt/ansible_cmdb/lib/python3.4/site-packages/ansiblecmdb/data/tpl/
$ cp html_fancy_defs.html html_fancy_selinux_defs.html
$ cp html_fancy.tpl html_fancy_selinux.tpl
```

Edit `html_fancy_selinux.tpl` change the line:

```
<%namespace name="defs" file="/html_fancy_defs.html" import="*" />
```

To:

```
<%namespace name="defs" file="/html_fancy_selinux_defs.html" import="*" />
```

Edit `html_fancy_selinux_defs.html`, add one line on cols definition similar to:

```
    {"title": "Product Name", "id": "prodname", "func": col_prodname,
"sType": "string", "visible": False},
    {"title": "Product Serial","id": "prodserial", "func":
col_prodserial, "sType": "string", "visible": False},
    {"title": "SELinux", "id": "selinux", "func": col_selinux,
"sType": "string", "visible": False},
  ]
```

Also add a new function on functions section:

```
<%def name="col_selinux(host, **kwargs)">
    ${jsonxs(host, 'ansible_facts.ansible_selinux', default='')}
```

```
</%def>
```

```
##  
## Detailed host information blocks  
##
```

Use with semaphore

I will suppose that your semaphore home is /home/semaphore.

The inventory will be a file with the name inventory_xxx (where x is a number) that will be you headache, every change on semaphore inventories will require a modification on your crontab script.

I will suppose that you inventory file is inventory_85.

Execute the ansible output for your hosts and create the html file:

```
$ ansible -m setup -i inventory_85 all --tree out/  
$ ansible-cmdb out/> overview.html
```

Move the file to a web server visible file:

```
$ sudo mv overview.html /var/www/html/ansible-overview/index.html
```

Update

```
$ pip install --upgrade ansible-cmdb
```

SSL problems

```
$ pip install --upgrade --trusted-host pypi.org --trusted-host  
files.pythonhosted.org ansible-cmdb
```

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