Reset default configuration

Restore factory default configuration since 202012.3 and above

There are a few difference in the default configuration file: (the difference does not impact SONiC functions.

- Removed Parts:
  - DEVICE_METADATA["localhost"]["bgp_asn"]
  - LOOPBACK_INTERFACE
  - BGP_NEIGHBOR
  - DEVICE_NEIGHBOR
  - INTERFACE - Ports are not assigned any IP by default.
- New added Parts:
  - REST_SERVER["default"]["client_auth"] = "user" - With this setting, users need to provide username/password to access the REST Server.
  - docker_routing_config_mode = "split" - With this setting, FRR uses split mode.
  - frr_mgmt_framework_config = "true" - With this setting, OSPF/ISIS features are enabled.

Step 1. Remove /etc/sonic/config_db.json.

Remove:

```
admin@sonic:~$ sudo rm /etc/sonic/config_db.json
```

Step 2. Generate Edgecore factory default configuration by this command

```
admin@sonic:~$ sudo config-setup factory
```

Edgecore Default configuration file is restored on /etc/sonic/config_db.json now.

Step 3. Reboot device

```
admin@sonic:~$ sudo reboot
```

Generate the default configure through the Platform and the HwSKU information

Step 1: Check the $Platform and $HwSKU information

```
admin@sonic:~$ show platform summary
Platform: x86_64-accton_as7326_56x-r0
HwSKU: Accton-AS7326-56X
ASIC: broadcom
```

Step 2: Set the $Platform and $HwSKU information to environment variable.

```
admin@sonic:~$ export Platform=x86_64-accton_as7326_56x-r0
admin@sonic:~$ export HwSKU=Accton-AS7326-56X
```

Step 3: Generate the default setting same as initial installed.

```
admin@sonic:~$ sudo sonic-cfggen -H -p /usr/share/sonic/device/$Platform/platform.json --preset t1 -k $HwSKU > ~/default.json
```

Step 4: Replace the "default.json" to the correct position.

```
admin@sonic:~$ sudo cp default.json /etc/sonic/config_db.json
```

Step 5. Config reload or power cycle the switch

```
admin@sonic:~$sudo config reload -y
```

Use the script "restore_202006.sh" to reset default

Upload and Execute the script restore_202006.sh **on the SONiC**

This script generates default configuration *config_db.json* automatically. Reboot the switch or reload configuration to take effect.(The script is applicable to 202006 branch and 202012 branch)

Step 1: Set the management IP

```
admin@sonic:~$ sudo config interface ip add eth0 192.168.10.1/24
```

Step 2: Upload the Script to the SONiC

```
admin@sonic:~$ sudo scp root@192.168.10.2:/root/restore_202006.sh ~/
```

Step 3: Change permission of script.

```
admin@sonic:~$ chmod +x restore_202006.sh
```

Step 4: Running the script.

```
admin@sonic:~$ ./restore_202006.sh
```

Get HwSKU and Platfrom from the database

/etc/sonic/config_db.json is restored to default

Step 5. config reload or power cycle the switch

```
admin@sonic:~$ sudo config reload -y
```

Use ZTP to generate the default configure automatically

When you disable ZTP function and there is no config_db.json on /etc/sonic, the ZTP function will generate a default config_db.json file automatically.

Step 1: Remove or rename the /etc/sonic/config_db.json file.

```
admin@sonic:~$ sudo mv /etc/sonic/config_db.json /etc/sonic/config_db.json.modified
```

Step 2: Check the current ZTP.

```
admin@sonic:~$ show ztp
ZTP Admin Mode : False
ZTP Service : Inactive
ZTP Status : Not Started

ZTP Service is not running
```

Step 3: enable ZTP function and then reboot.

```
admin@sonic:~$ sudo config ztp enable
Running command: ztp enable
admin@sonic:~$ sudo reboot
```

Step 4: Check the current SONiC's config folder.

```
admin@sonic:~$ sudo ls /etc/sonic/ | grep config_db.json
config_db.json.modified
```

Step 5: Disable ZTP function, and then check the SONiC's config folder.

```
admin@sonic:~$ sudo config ztp disable

Active ZTP session will be stopped and disabled, continue? [y/N]: y

admin@sonic:~$ sudo ls /etc/sonic/ | grep config_db.json
config_db.json
config_db.json.modified
admin@sonic:~$
```