

Login to <http://oreo.ccierack.rentals:8180>

- Click on Start RDP

Restore VM

Note: It will erase all your config.
It may take upto 10 minutes to restore all the devices. So please wait at least 10 minutes before you take access.

Select a vm:

Important Instruction for Accessing CCIE Wireless Rack

- To Restore your POD to the initial config, select your "Rack xx" and click "Submit" Button.
- This action will erase all the VMs config done by the previous candidate.
- After 10 minutes of submitting the Reset VM button, click here to "Start RDP".
- All the physical devices are accessible through SecureCRT.
- You need to manually erase the configuration from physical devices like Switches, Aps and WLC
- If any Device in the browser is not getting loaded, try another browser.
- There are RDP connections made on Desktop to access all the client PC
- Very important to note that DNAC devices takes 30-45 mins to bootup with preconfig and all services up and running. Wait for 30-45 mins before accessing the DNAC GUI.

[Click here to Start RDP.](#)

Once the RDP is opened. It will ask for username and password

Username : admin / Password is : admin

Enter Your User Account

This user account will be used to connect to
50.ccierack.rentals:8189 (remote PC).

Username:

Password:

Show password

Step 1: Reset all APs first

1.1a For APs 3800-3

Login to **MALRB01 WLC (10.40.127.1)** > Click on configuration > Wireless > Access point

1.1b We see one AP joined. Click on the AP. A window pops up. Click on Advanced > Scroll down >

Click on **clear all config** > then click on **Update and Apply device**.

(This will reset MALRB01-AP1)

The screenshot shows the Cisco WLC configuration interface. The main window displays the 'All Access Points' section with a table of APs. The 'Edit AP' window is open for 'MALRB01-AP1'. The 'Advanced' tab is selected, and the 'Clear All Config' option is highlighted. The 'Update & Apply to Device' button is also highlighted.

AP Name	AP Model	Slots	Admin Status	IP Address	Base Radio MAC	AP Mode	Oper Status
MALRB01-AP1	AIR-AP3802I-D-K9	2	✓	10.40.31.11	190b.0c0e.7620	Local	Req

Number of AP(s): 1

5 GHz Radios

2.4 GHz Radios

Dual-Band Radios

Country

LSC Provision

Advanced

Country Code* IN

Multiple Countries SG, US, IN

Statistics Timer 180

CAPWAP MTU 1485

AP Link Latency Disabled

TCP Adjust MSS Option

AP TCP MSS Adjust Enabled

AP TCP MSS Size 1250

AP IPv6 TCP MSS Adjust Enabled

AP IPv6 TCP MSS Size 1250

Set to Factory Default

Clear Configuration on this AP and Reset to Factory Defaults

Clear All Config

Clear Config except Static IP

Cancel

Update & Apply to Device

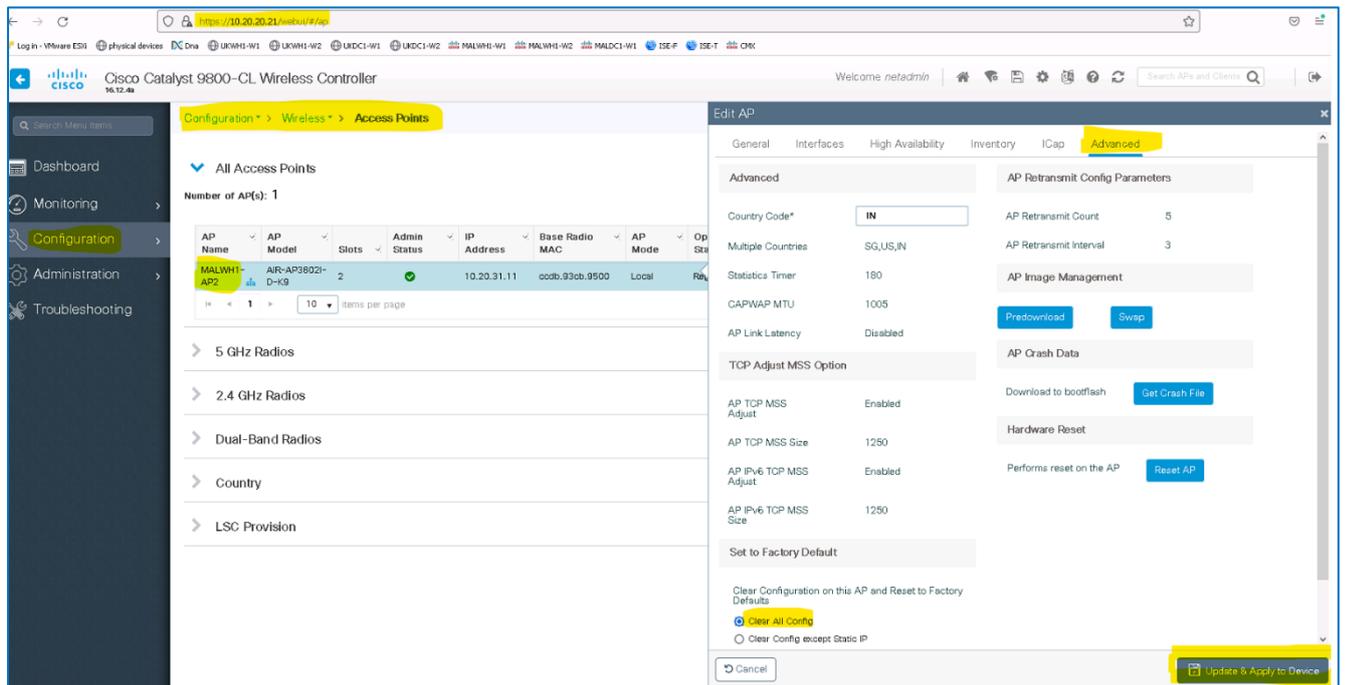
1.1c: For APs 3800-1 to 3800-2

Next step is to reset MALWH1-AP1 and MALWH1-AP2 in similar way.

Login to MALWH-W1 WLC (10.20.20.21) > Click on configuration > Wireless > Access point

1.1d We see two APs joined. Click on each AP one by one. A window pops up. Click on Advanced > Scroll down > Click on clear all config > then click on Update and Apply device.

(This will reset MALWH1-AP1 and MALWH1-AP2)



Step 1.2

[3800-4 is UKWH1-AP1 / 3800-5 is UKWH1-AP2 / 3700-1 is UKWH1-AP3 / 3800-6 is UKWH1-AP4]

[3800-7 is UKRB01-AP1 / 3800-8- UKRB01-AP2 / 3800-9- UKRB01-AP3]

For APs from 3800-3 to 3800-9 [username- netadmin / password – CClwir4]

Username:netadmin

Password:CC!wir4

AP>en

Password:CC!wir4

Ap>Capwap ap erase all

This command will clear ap config and reboot the AP

Are you sure you want to continue? [confirm] **Press enter**

Step 1.3

For AP 3700-1 [username- netadmin / password – CC!ewir4] [Its IOS based AP]

Username:netadmin

Password:CC!ewir4

UKWH1-AP3>en

Password:CC!ewir4

```
UKWH1-AP3#clear capwap private-config
UKWH1-AP3#reload
System configuration has been modified. Save? [yes/no]: no
Proceed with reload? [confirm] ← Enter
Writing out the event log to flash:/event.log ...
```

Please note:

Once all APs are reset and boot back, the username /password would be Cisco /Cisco

Step 2 Reset all WLCs

Step 2.1a:

Go to UKWH1 i.e 3504- 1 from term server. Check for “show redundancy summary”

In case the SSO is disabled, then jump to step **2.1e** or else follow from **2.1b**

```
(UKWH1-W1-3504-1) >show redundancy summary
Redundancy Mode = SSO DISABLED ←
Local State = ACTIVE
Peer State = N/A
Unit = Primary
Unit ID = 30:8B:B2:8C:FE:70
Redundancy State = N/A
Mobility MAC = 30:8B:B2:8C:FE:70
Redundancy Port = DOWN
Link Encryption = ENABLED
```

Step 2.1b: When redundancy mode shows “SSO enabled” on Primary WLC

```
(UKWH1-W1-3504-1) >show redundancy summary
Redundancy Mode = SSO ENABLED
Local State = ACTIVE
Peer State = STANDBY HOT
Unit = Primary
Unit ID = 30:8B:B2:8C:FE:70
Redundancy State = SSO
Mobility MAC = 30:8B:B2:8C:FE:70
Redundancy Port = UP
BulkSync Status = Complete
Link Encryption = ENABLED
Average Redundancy Peer Reachability Latency = 311 Micro Seconds
Average Management Gateway Reachability Latency = 1631 Micro Seconds

(UKWH1-W1-3504-1) > █
```

Step 2.1c: Go to WLC 2 and it should show the following:

```
(UKWH1-W1-3504-1-Standby) > █
```

Step 2.1d

Once step2.1b and 2.1c are confirmed, disable the redundancy mode on WLC1

```
(UKWH1-W1-3504-1) > config redundancy mode disable
```

```
All unsaved configuration will be saved.  
And the system will be reset. Are you sure? (y/n)y
```

```
Saving the configuration...
```

```
(UKWH1-W1-3504-1) >  
Configuration Saved!  
System will now reboot! ←
```

```
Updating license storage ... Done.
```

```
Exiting SL process !
```

[After this step both Primary and Standby WLCs will reboot]

Step 2.1e

Once WLC1 comes back, login to WLC GUI - 10.10.20.21

Go to commands > Download file > select file type as configuration

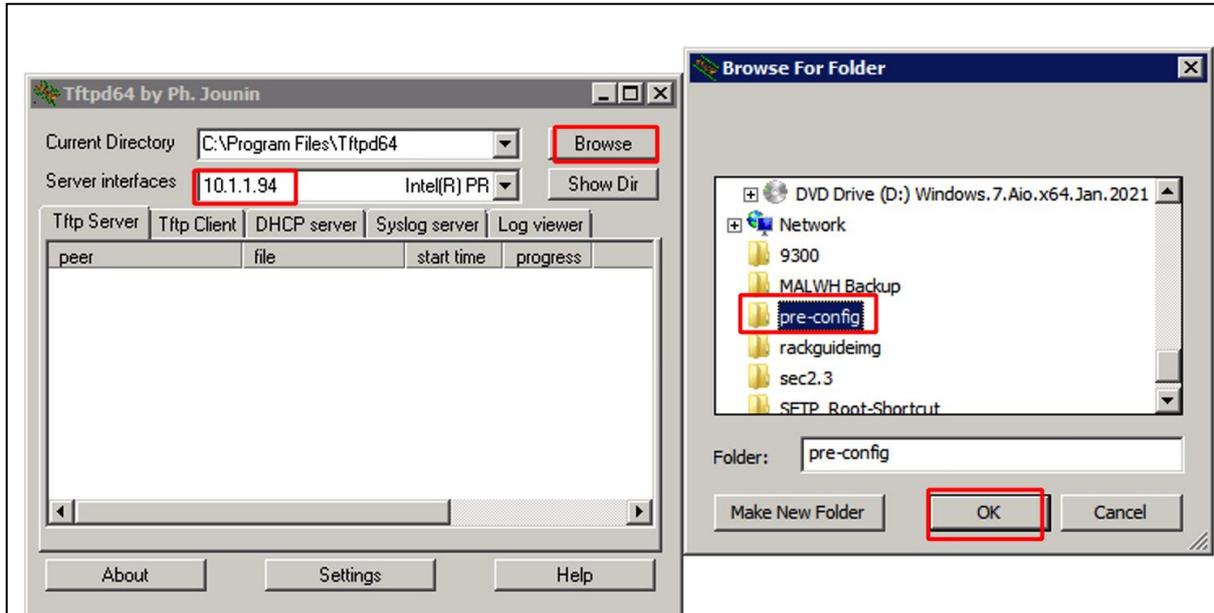
Transfer mode : TFTP / IP address: 10.1.1.94 / file path : ./ (i.e root directory) / File name : 3504-1.1

The screenshot shows the Cisco WLC GUI with the 'COMMANDS' tab selected. In the left sidebar, 'Download File' is highlighted. The main area is titled 'Download file to Controller' and contains the following fields:

Field	Value
File Type	Configuration
Configuration File Encryption	<input type="checkbox"/>
Transfer Mode	TFTP
IP Address(Ipv4/Ipv6)	10.1.1.94
Maximum retries (1 to 254)	10
Timeout (1 to 254 seconds)	5
File Path	./
File Name	3504-1.1

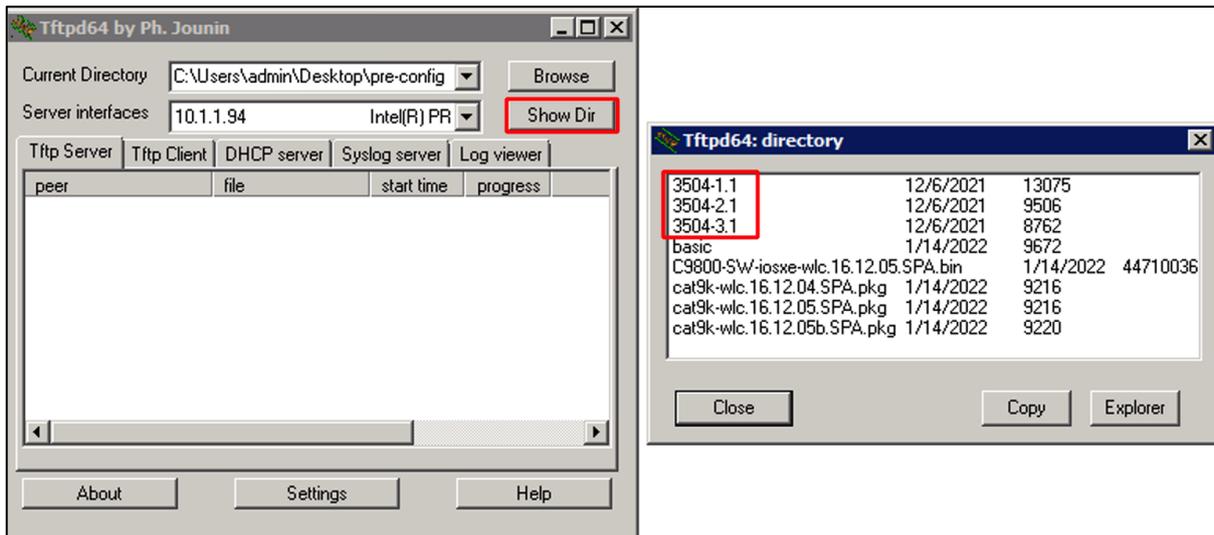
2.1f

Open TFTP server > Click on Browse > Go to Desktop and select Pre-config folder > Click OK



2.1g

Click on show dir > It should reflect the WLC pre-config files > click close



Step 2.1h

Click on download. [This will start downloading the pre-config file and WLC will reboot]

The screenshot shows the Cisco WLC Command Line interface. The browser address bar displays `10.10.20.21/screens/frameset.html`. The navigation menu includes MONITOR, WLANs, CONTROLLER, WIRELESS, SECURITY, MANAGEMENT, COMMANDS (highlighted), and HELP. The user is logged in as `User:netadmin(ReadWrite)`. The left sidebar lists various commands: Download File, Upload File, Reboot, Config Boot, Scheduled Reboot, Reset to Factory Default, Set Time, and Login Banner. The main content area is titled "Download file to Controller" and contains the following configuration options:

- File Type: Configuration
- Configuration File Encryption:
- Transfer Mode: TFTP
- Server Details:
 - IP Address(Ipv4/Ipv6): 10.1.1.94
 - Maximum retries (1 to 254): 10
 - Timeout (1 to 254 seconds): 6
 - File Path: ./
 - File Name: 3504-1.1

Buttons for "Clear" and "Download" are located in the top right corner of the configuration area.

Step 2.2. For WLC2

2.2a Go to UKWH1-W1-3504-2. Check for redundancy summary. It will show SSO status as disabled, Unit as Secondary, and prompt of WLC1.

```
(UKWH1-W1-3504-1) >show redundancy summary
Redundancy Mode = SSO DISABLED
Local State = ACTIVE
Peer State = N/A
Unit = Secondary
Unit ID = 00:87:64:8A:09:90
Redundancy State = N/A
Mobility MAC = 00:87:64:8A:09:90
Redundancy Port = DOWN
Link Encryption = ENABLED

(UKWH1-W1-3504-1) >
```

2.2b

Check for show port summary and it would show port 1 & 2 as disabled

```
(UKWH1-W1-3504-1) >show port summary
```

Pr	Type	STP Stat	Admin Mode	Physical Mode	Physical Status	Link Status	Link Trap	POE
1	Normal	Disa	Disable	Auto	Auto	Down	Enable	N/A
2	Normal	Disa	Disable	Auto	Auto	Down	Enable	N/A
3	Normal	Disa	Disable	Auto	Auto	Down	Enable	Disable
4	Normal	Disa	Disable	Auto	Auto	Down	Enable	Disable
5	Normal	Disa	Disable	Auto	Auto	Down	Enable	N/A
RP	Normal	Disa	Enable	Auto	Auto	Down	Enable	N/A
SP	Normal	Forw	Enable	Auto	Auto	Up	Enable	N/A

2.2c

Enable both ports on WLC2

```
(UKWH1-W1-3504-1) >config port adminmode 1 enable
(UKWH1-W1-3504-1) >config port adminmode 2 enable
(UKWH1-W1-3504-1) >show port summary
```

Pr	Type	STP Stat	Admin Mode	Physical Mode	Physical Status	Link Status	Link Trap	POE
1	Normal	Forw	Enable	Auto	1000 Full	Up	Enable	N/A
2	Normal	Forw	Enable	Auto	1000 Full	Up	Enable	N/A
3	Normal	Disa	Disable	Auto	Auto	Down	Enable	Disable
4	Normal	Disa	Disable	Auto	Auto	Down	Enable	Disable
5	Normal	Disa	Disable	Auto	Auto	Down	Enable	N/A
RP	Normal	Disa	Enable	Auto	Auto	Down	Enable	N/A
SP	Normal	Forw	Enable	Auto	Auto	Up	Enable	N/A

2.2d

Change the IP address 10.10.20.22, set the DG and try pinging the DG. If ping successful, then we are ready to access Gui of WLC2 . [In case the ping does not work, wait for some time and try again or else check the routing part]

```
(UKWH1-W1-3504-1) >config interface address management 10.10.20.22 255.255.255.0 10.10.20.253
(UKWH1-W1-3504-1) >show interface summary

Number of Interfaces..... 8

Interface Name          Port Vlan Id  IP Address      Type  Ap Mgr Guest
-----
deadnet                 1     999      192.168.1.1     Dynamic No  No
internal                1     101      10.10.101.3     Dynamic No  No
iot                     1     102      10.10.102.3     Dynamic No  No
management              1     20       10.10.20.22     Static  Yes  No
redundancy-management  1     20       10.10.20.24     Static  No   No
redundancy-port        -     untagged 169.254.20.24   Static  No   No
service-port           N/A   N/A      1.1.1.2         Static  No   No
virtual                 N/A   N/A      192.0.2.1       Static  No   No

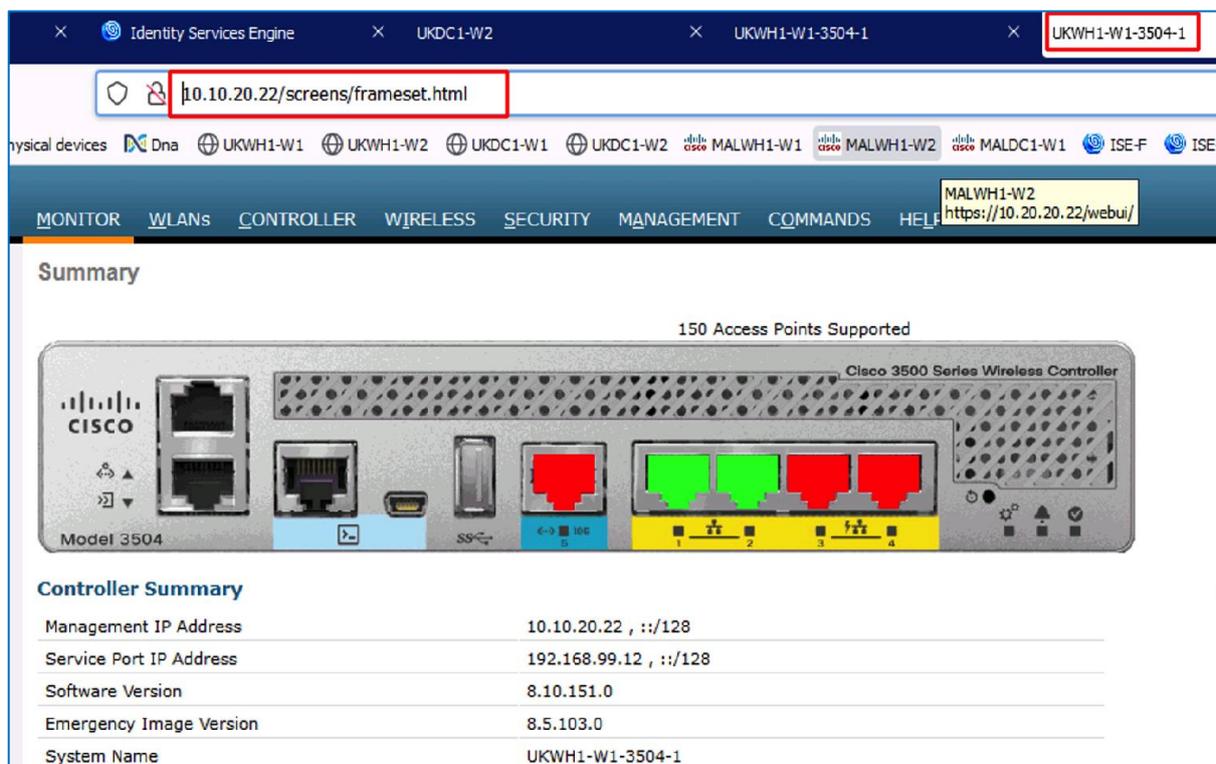
(UKWH1-W1-3504-1) >ping 10.10.20.253

Send count=3, Receive count=3 from 10.10.20.253

(UKWH1-W1-3504-1) >
```

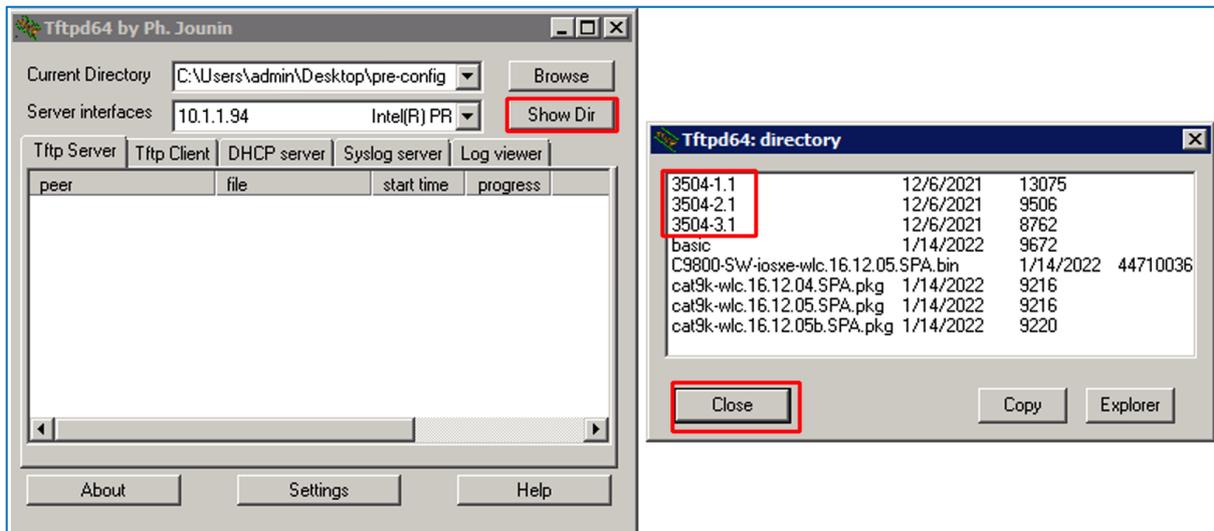
2.2e

Go to GUI – 10.10.20.22. [Don't worry about the prompt, it will reflect that of WLC1 ☺]



2.2f

Check if the TFTP points to pre-config folder

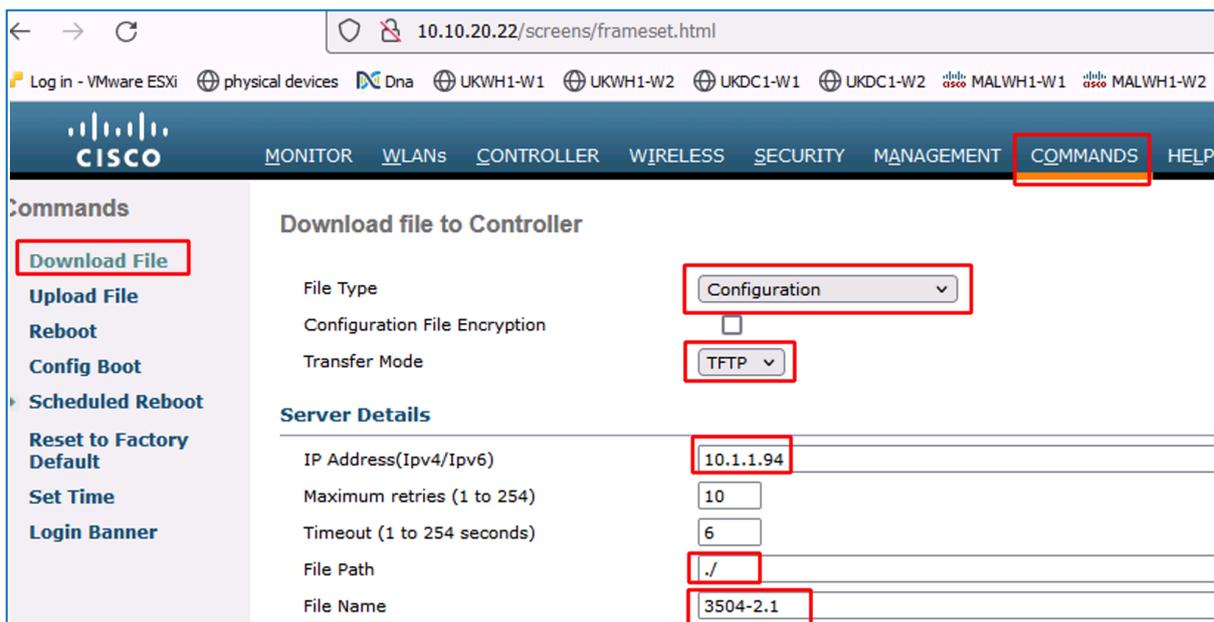


2.2g

Go to commands > Download file > select file type as configuration

Transfer mode : TFTP / IP address: 10.1.1.94 / file path : ./ (i.e root directory) / File name : 3504-2.1

Click on download on the top right corner.



2.3

Do the same for UKDC1-W1

Open the GUI – 10.1.1.33. Go to commands > Download file > select file type as configuration

Transfer mode : TFTP / IP address: 10.1.1.94 / file path : ./ (i.e root directory) / File name : 3504-3.1

Click on download on the top right corner.

The screenshot shows the Cisco ISE GUI interface for downloading a file to a controller. The browser address bar displays the URL `10.1.1.33/screens/frameset.html`. The navigation menu includes **MONITOR**, **WLANs**, **CONTROLLER**, **WIRELESS**, **SECURITY**, **MANAGEMENT**, **COMMANDS** (highlighted), **HELP**, and **FEEDBACK**. The main content area is titled "Download file to Controller" and contains the following fields:

File Type	Configuration
Configuration File Encryption	<input type="checkbox"/>
Transfer Mode	TFTP
Server Details	
IP Address(Ipv4/Ipv6)	10.1.1.94
Maximum retries (1 to 254)	10
Timeout (1 to 254 seconds)	6
File Path	./
File Name	3504-3.1

Step 3: Reset the ME devices

3.1 Go to M3800-2 and M3800-3

Username: netadmin

Password: CC!ewir4

Capwap ap erase all

reload

Go to M3800-1

Username:netadmin

Password:CC!ewir4

(UKWH1-ME1) >reset system

The system has unsaved changes.

Would you like to save them now? (y/N) n

Configuration Not Saved!

Are you sure you would like to reset the system? (y/N) y

System will now restart!

Once the ME3800-1 resets to default setting, it can be configured via following:

```

*****
Invalid response
Enter Administrative User Name (24 characters max): netadmin
Enter Administrative Password (3 to 127 characters): *****
Re-enter Administrative Password          : *****

System Name [Cisco-7c21,0e30,f640] (31 characters max): UKWH1-ME1
Enter User Name for AP (24 characters max): netadmin
Enter Password for AP (6 to 127 characters): *****
Re-enter Password for AP: *****
Enter Enable Password for AP (6 to 127 characters max): *****
Re-enter Enable Password for AP: *****

Enter Country Code list (enter "help" for a list of countries) [US]:

Configure a NTP server now? [YES][no]:
Use default NTP servers [YES][no]: no
Enter the NTP server's IP address: 10.1.1.254
Enter timezone location index (enter "help" for a list of timezones): 13

Management Interface IP Address Configuration [STATIC][dhcp]:

Management Interface IP Address: 10.10.33.252
Management Interface Netmask: 255.255.255.0
Management Interface Default Router: 10.10.33.253
Create Management DHCP Scope? [yes][NO]:
Employee Network Name (SSID)? : Employees
Employee Network Security? [PSK][enterprise]:
Employee PSK Passphrase (8-63 characters)? : *****
Re-enter Employee PSK Passphrase: *****
Enable RF Parameter Optimization? [YES][no]:
Client Density [TYPICAL][Low][High]:
Traffic with Voice [NO][Yes]:
Set internal AP to Flex+Bridge mode [yes][NO]: yes

Configuration correct? If yes, system will save it and reset. [yes][NO]: yes

Configuration saved!
Resetting system with new configuration...

```

Step 4 Reset all switches

Go to Switches:

3650-1, 3650-2, 3650-3,

9200-1, 9200-2, 9200-3 and 9200-4,

9300-1, 9300-2

en

wr erase

copy flash:Basic **startup**-config

reload

Step 5: Reset the VMs.

Again, go back to browser, **Login to** <http://oreo.ccierack.rentals:8180>

Select VM as **Rack1** and click **submit** (this will reset all the VMs i.e ISE, DNAC, 9800s)

Wait for 5-7 minutes for VMs to restore and then Click to Start RDP

Restore VM

Note: It will erase all your config.
It may take upto 10 minutes to restore all the devices. So please wait at least 10 minutes before you take access.

Select a vm: **Rack1** **submit**

Important Instruction for Accessing CCIE Wireless Rack

- To Restore your POD to the initial config, select your "Rack xx" and click "Submit" Button.
- This action will erase all the VMs config done by the previous candidate.
- After 10 minutes of submitting the Reset VM button, click here to "Start RDP".
- All the physical devices are accessible through SecureCRT.
- You need to manually erase the configuration from physical devices like Switches, Aps and WLC
- If any Device in the browser is not getting loaded, try another browser.
- There are RDP connections made on Desktop to access all the client PC
- Very important to note that DNAC devices takes 30-45 mins to bootup with preconfig and all services up and running. Wait for 30-45 mins before accessing the DNAC GUI.

[Click here to Start RDP.](#)

Once the RDP is opened. It will ask for username and password

Username : admin / Password is : admin

Enter Your User Account

This user account will be used to connect to
50.ccierack.rentals:8189 (remote PC).

Username:

Password:

Show password

YOU ARE ALL SET FOR YOUR LAB. GOOD LUCK! 😊

CCIE RACK RENTALS



CCIE Rack Rentals for

Collaboration

Security

Wireless

Datacenter

Service Provider

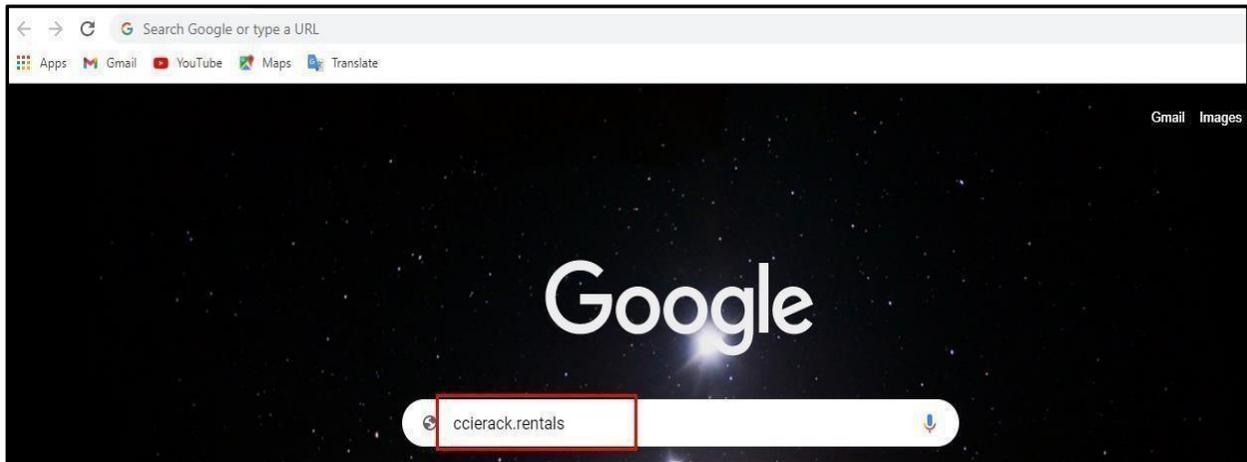
Enterprise Infrastructure

www.ccierrack.rentals

USER GUIDE

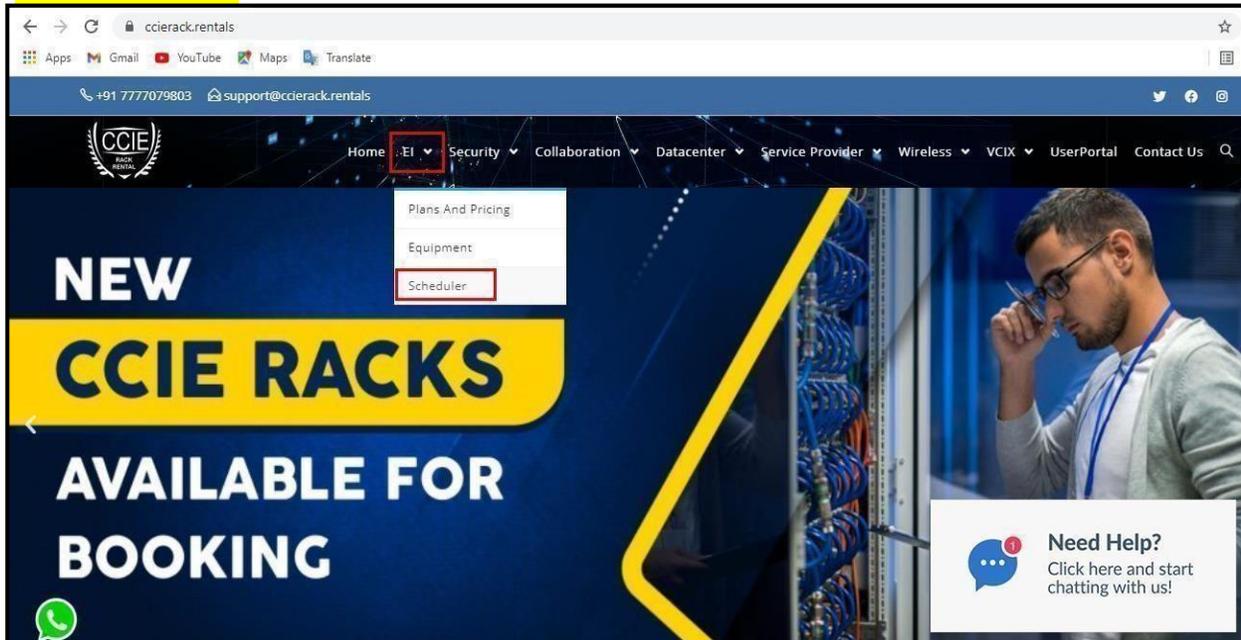
CCIE ENTERPRISE VER 1.0 WORLD FIRST REAL LAB RACK

Step 1:- Open any Web Browser and type “ccierack.rentals”



Step 2: Select your respective Track

Go to “Scheduler”



Step 3: Go to Create a new user account

You have been logged out
Log in for CCIE EI schedule

[For user portal click here](#)

User Log In

Login name:

Password:

Keep me logged in
 Remember my user name
 Ask me every time

[Create a new user account](#)

[Lost password?](#)

Need Help?
Click here and start chatting with us!

Step 4: Fill your all-required details

Please enter your details

Login name *
You can use an email address as the login name

Password *

Full name

Email *
(If different from login name)

Phone

Address

Country *

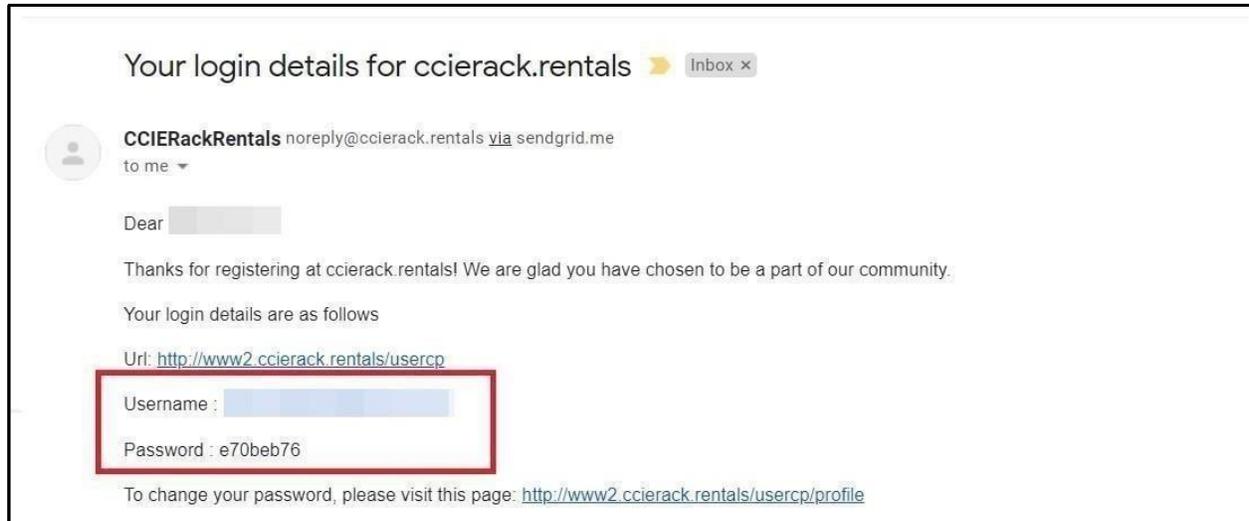
Time zone

* Indicates required field

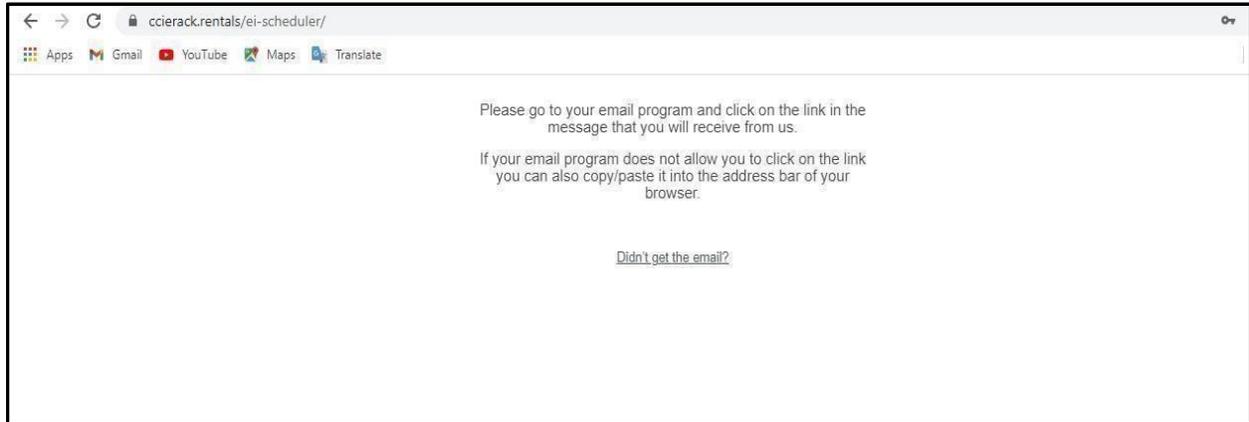
A confirmation email will be sent to the supplied email address

Need Help?
Click here and start chatting with us!

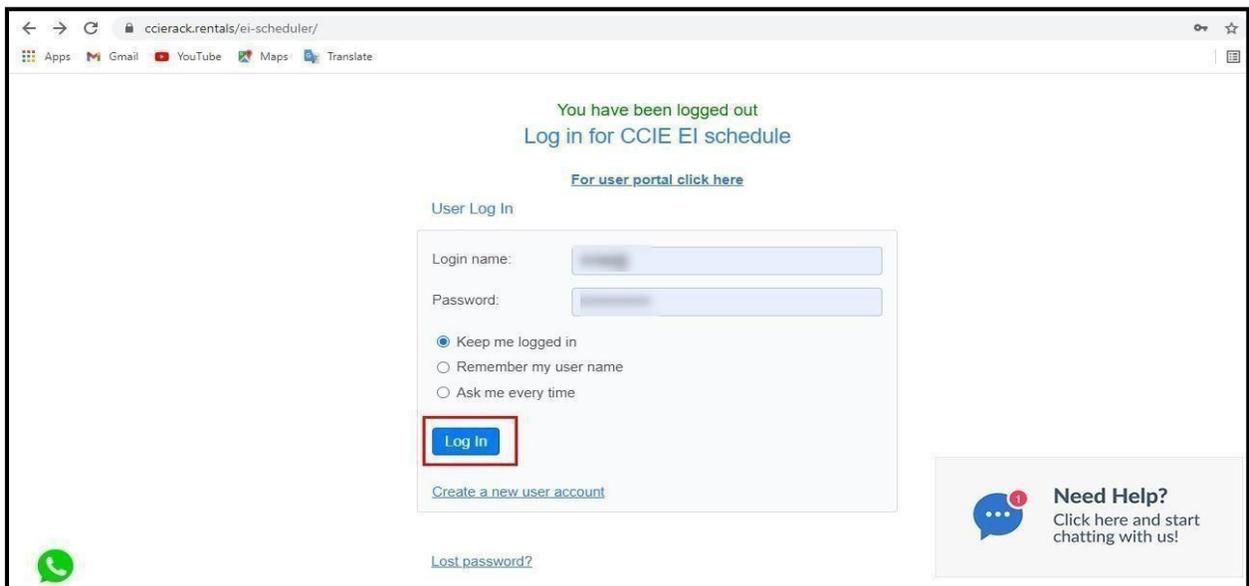
Step 5: Go to your mail and in See your login details that you will receive from us.



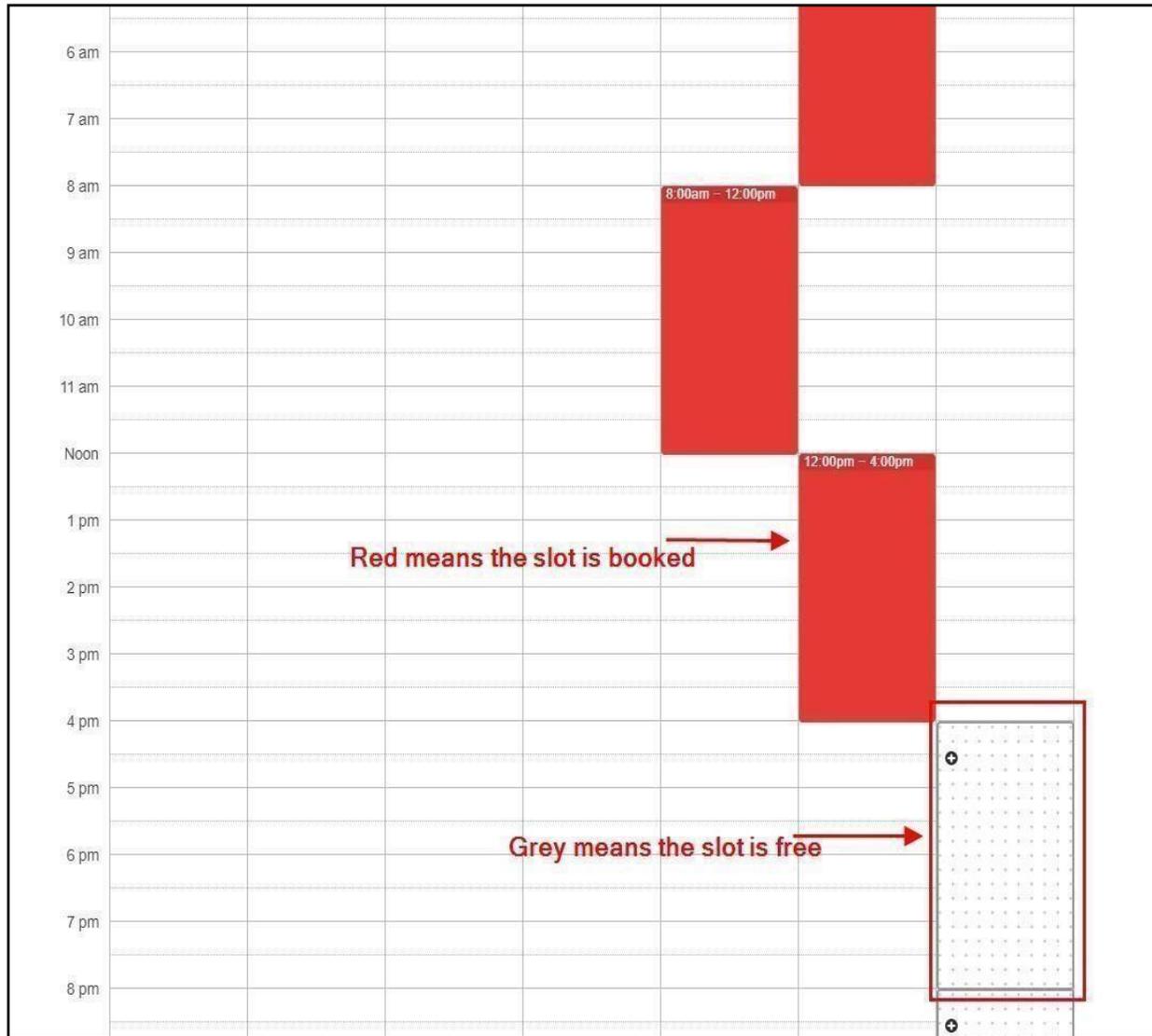
Note: If not received mail click on "Didn't get the mail"



Step 6: Go to Login and enter your Login name and Password and click on Login



Below Is the Scheduler page



Schedule the RACK as per you time

[Click Here to Login to User Portal](#)

From here you can change the view of scheduler

Month Week **Day** Agenda Available

SUNDAY 6 JUNE 2021

Midnight
1 am
2 am
3 am
4 am
5 am
6 am
7 am
8 am
9 am
10 am
11 am
Noon

SUN MON TUE WED THU FRI SAT
30 31 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 1 2 3

This will be your time as per your timezone

From here you can select for how many hours you want to book the rack

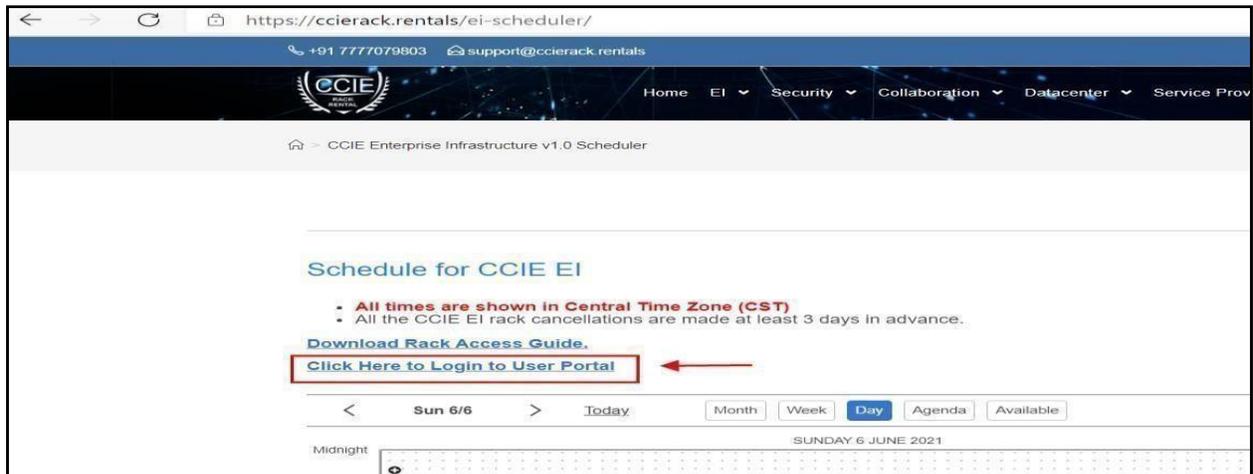
In this screen i am booking a slot from 2.30pm IST to 10.30pm IST (8 hours)

Create Reservation Click here to make the reservation

From above screen you can see how to book the RACK

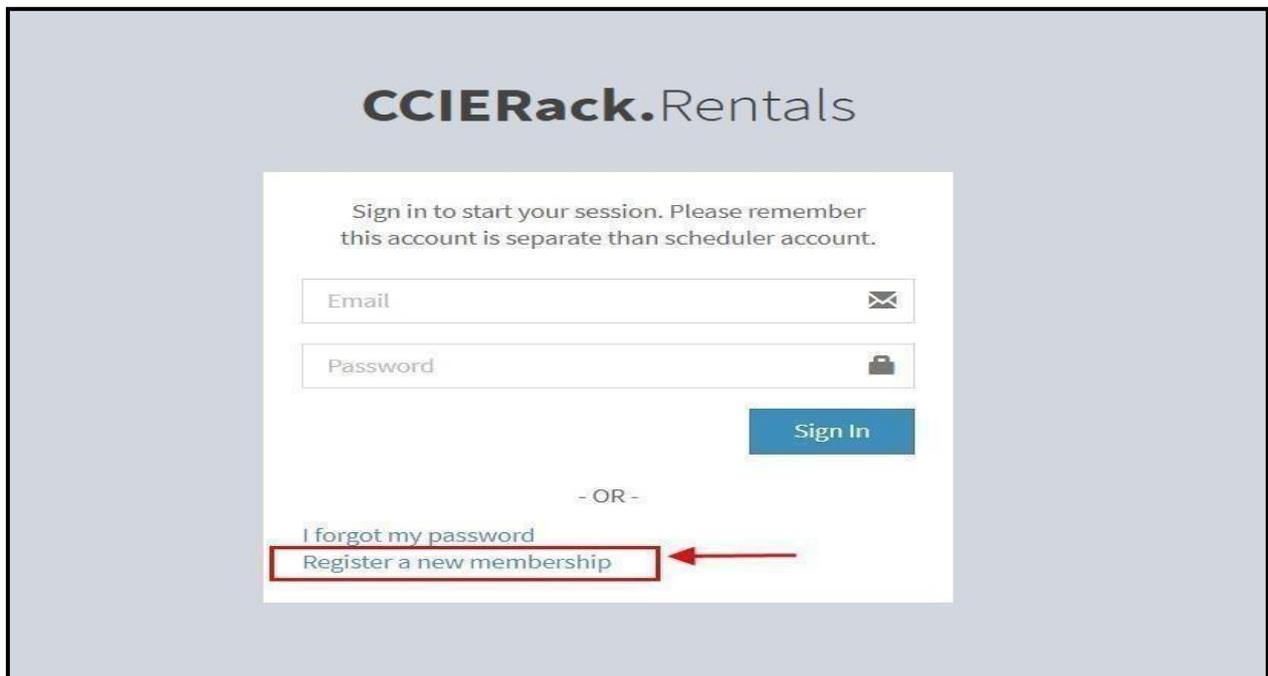
After Creating Reservation click on “Click here to Login to User Portal” **Important Note: Until and unless you won’t reserve the rack you will not able to create the User Portal Membership**

Kindly Note: Scheduler account is different than user portal account.

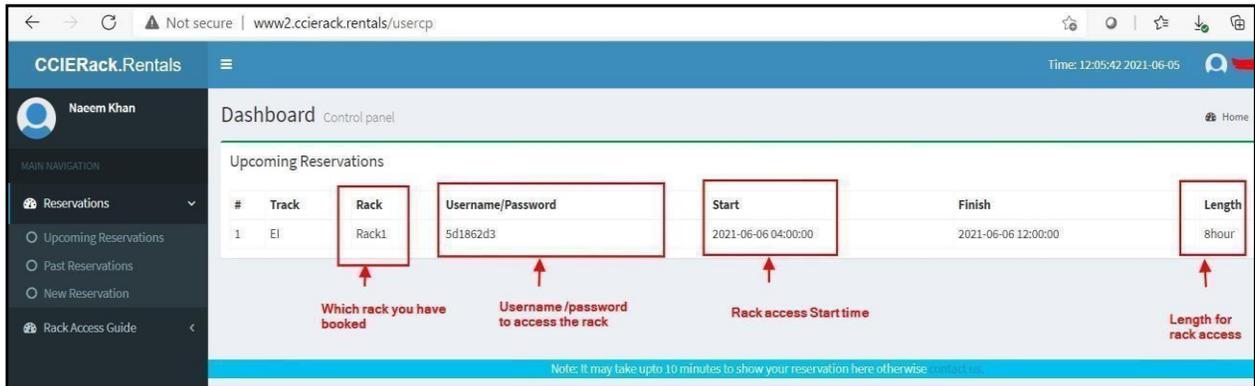


You have to create new user portal account

On the User portal Create an account if you don't have



Once you create a New membership, then come to the above page again and Sign in with your details
 You can see your reservations and login details for the rack after you Sign in

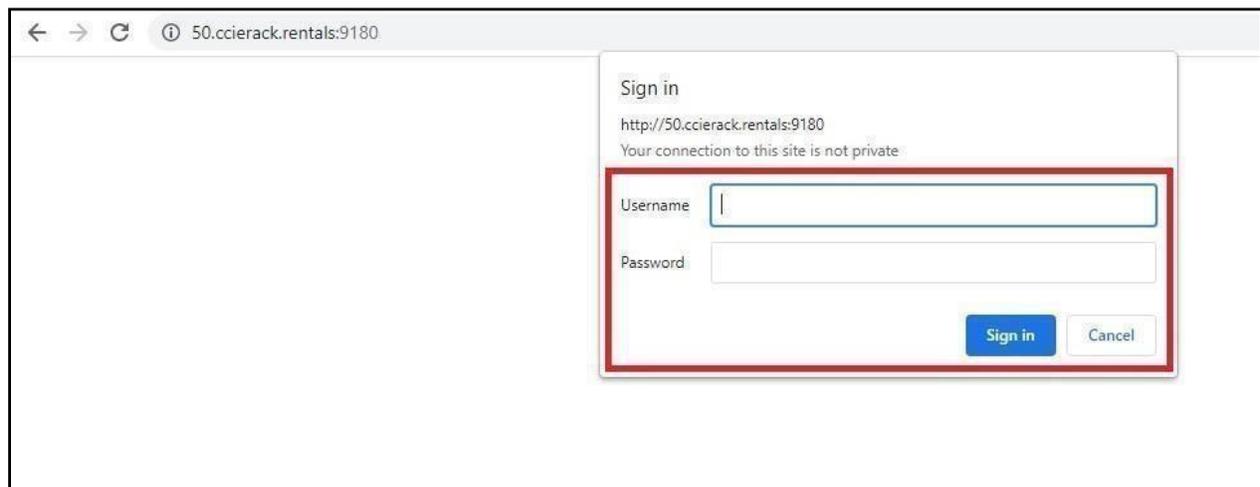


Now to access the rack on your scheduled time please follow below steps:

Step 1: In browser type a URL

For Rack 1: <http://oreo.ccierrack.rentals:8180/>

Step 2: Once you open the above link you will be asked for Username/Password



Enter your Username/Password that you can see on the User Portal and click Sign in
 (Username/Password both will be same)

Step 3: After login you will get a web page as below, Click on Submit and wait for 5 mins **Note: Once**



Step 4: After 5 mins click on “Click here to Start RDP”, an RDP will get downloaded in the browser

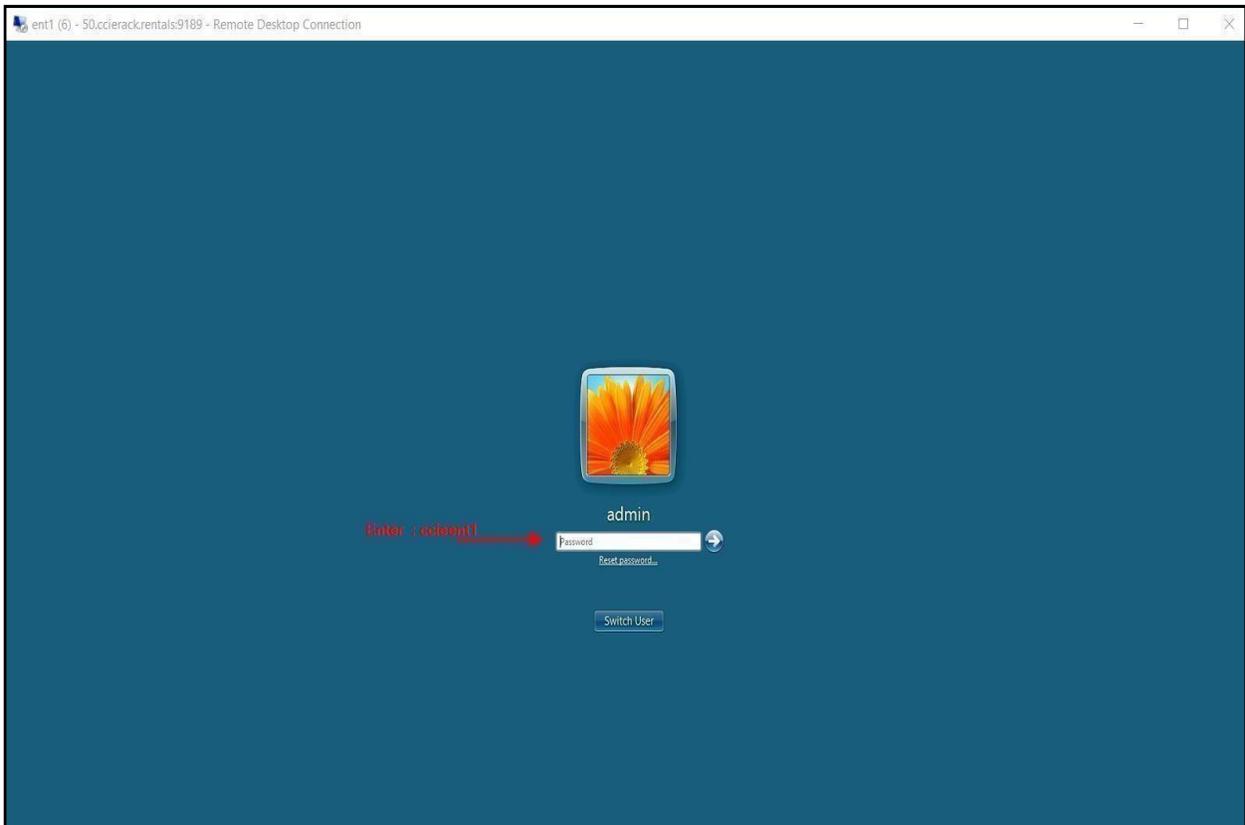


you click on to Submit it will Restore the VM to Pre-configs

Step 5: Open RDP by clicking on it

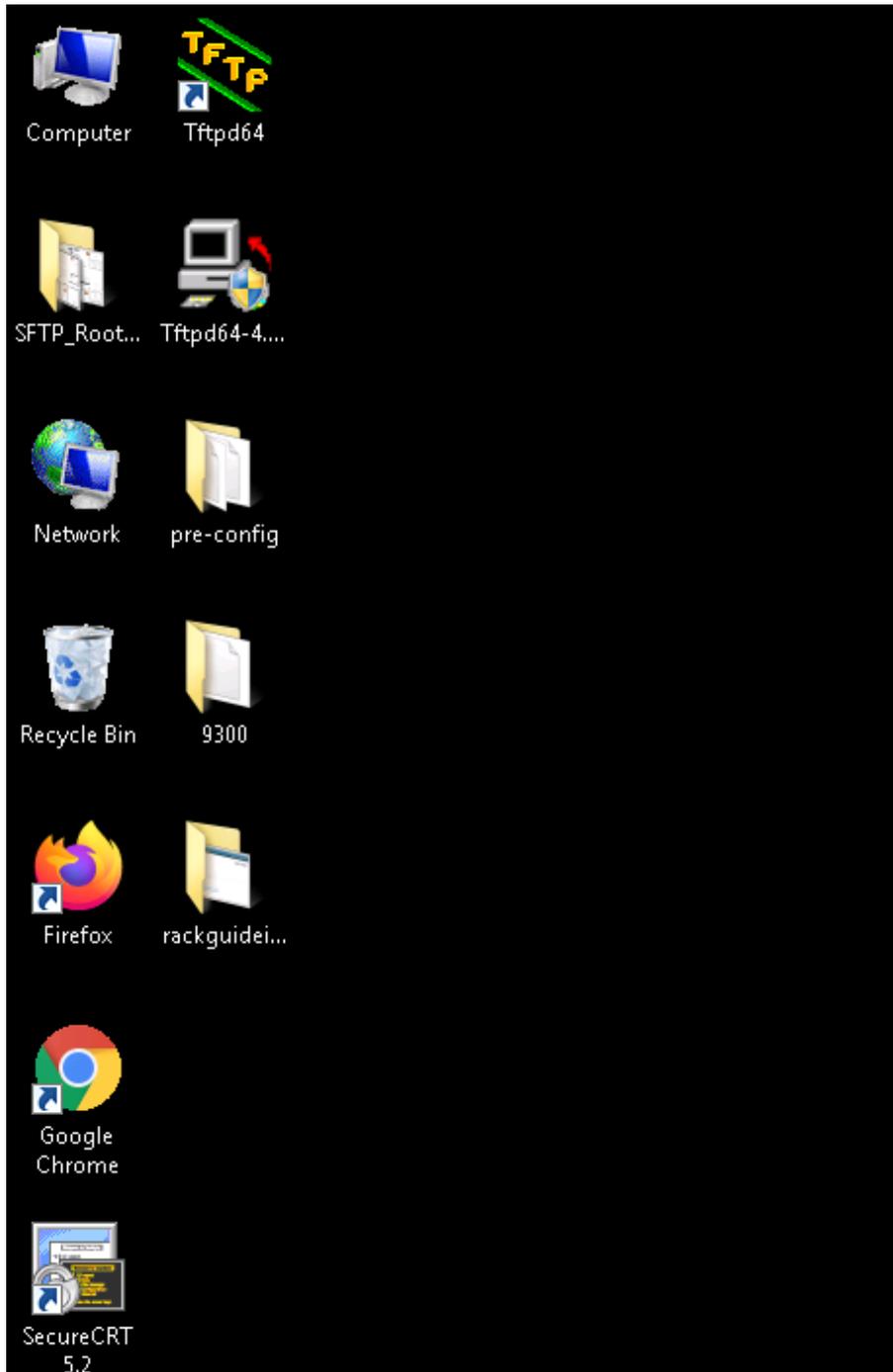
Once RDP is open you will be asked for Login to Admin, admin password is admin (without quote)

Click here to Start RDP



Now, how startup config will take place on WLC

open mozilla firefox



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For CCIE Security Labs 🔗 www.passecuritylabs.com (PSL)

For CCIE Wireless Labs 🔗 www.passwirelesslabs.com (PWL)

For CCIE Data Center Labs 🔗 www.passdatacenterlabs.com (PDL)

For CCIE Collaboration Labs 🔗 www.passcollaborationlabs.com (PCL)

For CCIE Service Provider Labs 🔗 www.passsplabs.com (PSPL)

For CCDE Labs 🔗 www.passccdelabs.com (PCDL)

For Chinesedumps 🔗 www.chinesedumps.com (CD)

For VMware Labs 🔗 www.vcixlabs.com (VL)

For CCIE Written Labs 🔗 www.passwritten.com (PW)

For CCIE/JNCIE/VMware RACK RENTALS 🔗 www.ccierack.rentals (CRR)

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