

ABot Installation Procedure

4G

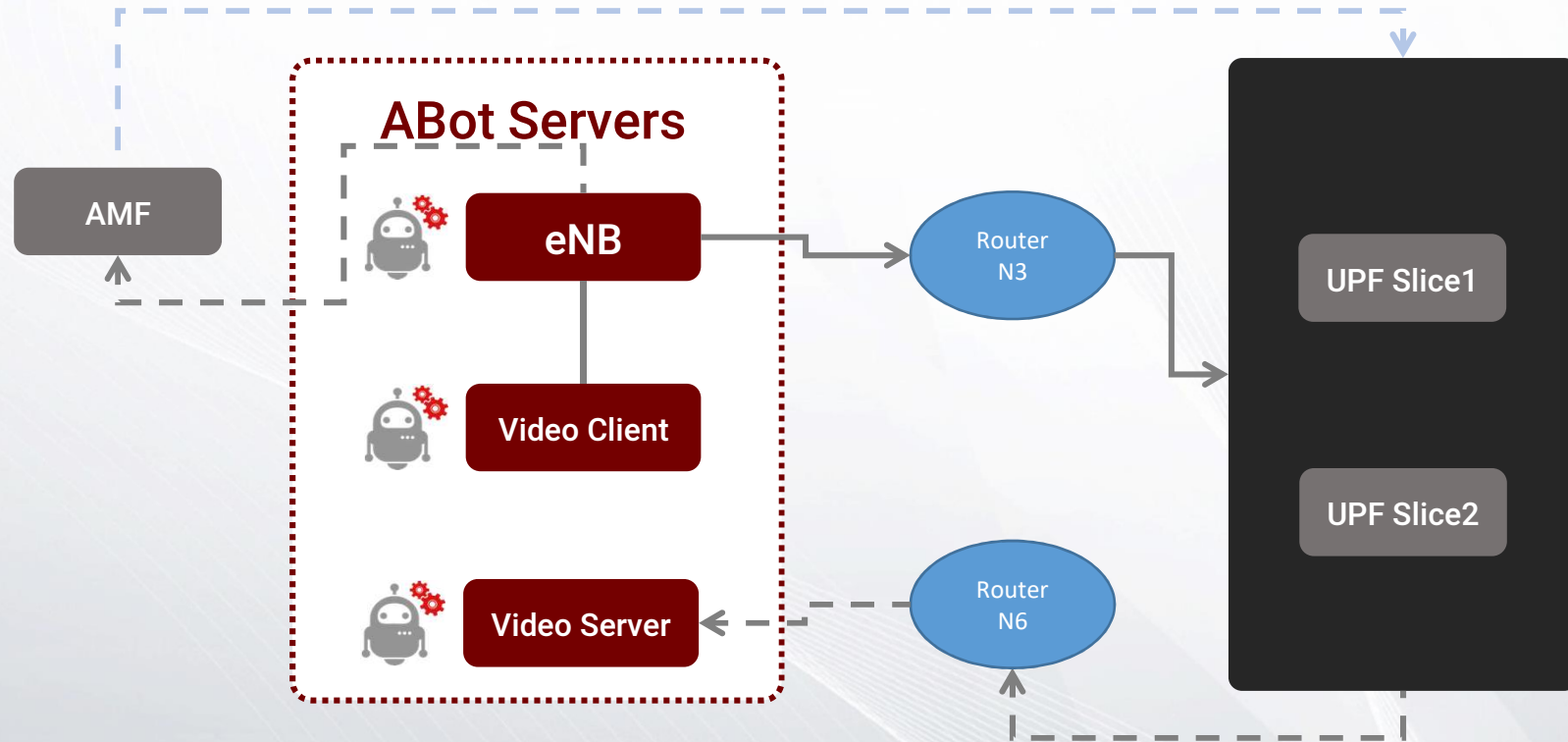
5G

ABot Deployment Procedure

- Layout Diagram & Hardware Requirement
- System Prerequisite
- ABot Core and Analytics Installation
- ABot Video Server and Client Installation
- ABot Configuration
- Troubleshooting



Layout Diagram



Hardware Requirement

Node Type	System Support	Load	No. of VMs	OS	vCPU	Memory (in GB)	Hard Disk (in GB)
ABot Analytics as a Single Instance	Functional + Limited Performance (Load)	100K	1	Ubuntu Server 18.04	16+	64	1000
ABot Core & ABot Analytics as Single Instance	Functional + Limited Performance (Load)	5K	1	Ubuntu Server 18.04	16+	32	250
ABot Core as a Single Instance	Functional + Limited Performance (Load)	100K	1	Ubuntu Server 18.04	16+	32	1000

ABot Core and Analytics Installation

After extracting the tar balls, the user needs to run the installation script with the following commands

- If one wants to install **ABot core** and **ABot Analytics** on same instance (single VM) , then run
sudo ./install-abot-single-instance.sh

- For Split Install (2 VM's) ABot Network Tool & Analytics separate

- First Install **Analytics** in one of the VM

“Analytics depends on Elasticsearch database and since both Analytics Binary and Elastic binary is installed on the same box pass both Analytcis & Elasticsearch same IP address”

Copy the [**abot-analytics_<>_all.deb**] & [**install-abot-analytics.sh**] to the respective instance and

sudo ./install-abot-analytics.sh "ABot-IP" "Elasticsearch IP"

* **ABot IP** (Network Tool Instance IP)

Example:- **sudo ./install-abot-analytics.sh single 192.168.xx.xxx 192.168.xx.xxx**

- Next install **ABot core** in another VM

“Analytics depends on Elasticsearch database and since both Analytics Binary and Elastic binary is installed on the same box pass both Analytcis & Elasticsearch same IP address”

sudo ./install-abot.sh "Analytics-IP" "Elasticsearch IP"

* **Analytics IP** (Analytics VM IP)

Example: - **sudo ./install-abot.sh 192.168.xx.xxx 192.168.xx.xxx**

ABot Video Server Installation

ABot Server Configuration and Installation

After extracting the tar balls, the user needs to configure the route config file and run the installation script with the following commands

- **sudo vi route_conf.properties**
 - DataServer.IP=192.168.15.162 (ABot Video Server IP connected to ABot Server)
 - DataServer.Alias.IP=5.5.5.5 (ABot Server alias IP)
 - DataServer.Interface=ens192 (ABot Video Client interface name connected to ABot Server)
 - #DataServer.Default.GW.IP=x
 - #UPF.IP=x
 - UPF.IP.Connected.To.Server=192.168.15.161 (ABot Server IP, which is connected to ABot Video Server)
 - UPF.Interface.Connected.Server=ens192 (ABot Server interface, which is connected to ABot Video Server)
 - #DataClient.Default.GW.IP=x
 - DataClient.IP=192.168.2.162 (ABot Video Client IP which connected to ABot Server)
 - DataClient.Interface=ens192 (Abot Video Client interface name connected to ABot Server)
 - gNodeB.IP.Connected.To.Client=192.168.2.161 (ABot Server IP, which is connected to ABot Server)
 - ABot.IP=192.168.50.155 (ABot Server management IP)

Run the video server initialization script.

- **sudo ./install-video-server.sh**

ABot Video Client Installation

ABot Client Configuration and Installation

After extracting the tar balls, the user needs to configure the route config file and run the installation script with the following commands

- **sudo vi route_conf.properties**
 - DataServer.IP=192.168.15.162 (ABot Video Server IP connected to ABot Video Server)
 - DataServer.Alias.IP=5.5.5.5 (ABot Video Server alias IP)
 - DataServer.Interface=ens192 (ABot Video Client interface name connected to ABot Server)
 - #DataServer.Default.GW.IP=x
 - #UPF.IP=x
 - UPF.IP.Connected.To.Server=192.168.15.161 (ABot Server IP, which is connected to ABot Server)
 - UPF.Interface.Connected.Server=ens192 (ABot Server interface, which is connected ABot Video Server)
 - #DataClient.Default.GW.IP=x
 - DataClient.IP=192.168.2.162 (ABot Client IP which connected to ABot Server)
 - DataClient.Interface=ens192 (ABot Client interface name connected to ABot Server)
 - gNodeB.IP.Connected.To.Client=192.168.2.161 (ABot Server IP, which is connected to ABot Server)
 - ABot.IP=192.168.50.155 (ABot Server management IP)

Run the video server initialization script.

- **sudo ./install-video-client.sh**

Troubleshooting

Troubleshooting

- **Debug Artefact**

At artefact in the ABot GUI logs are stored per execution. Use the logs and pcap for troubleshooting.

- **License Expiry and Fix**

On expiry of license, the user is requested to contact Rebaca Team to get a new license file along with the mac address of the virtual machine or bare metal system that it's installed on. On receipt of the new license (abot.lic file), the user is to follow the steps below:
Copy the abot.lic file to the home folder of the ABot installation via scp/rsync

```
$> sudo cp abot.lic /etc/rebaca-test-suite/bin/
```

```
$> sudo service abot-license restart
```

- **Analytics & Maturity Dashboard or GUI Not working .**

Restart the API service

```
$> sudo service abot-ui restart
```

NB.: For detail support refer to the ABot Installation Guide and ABot Video Server & Client Installation Guide.

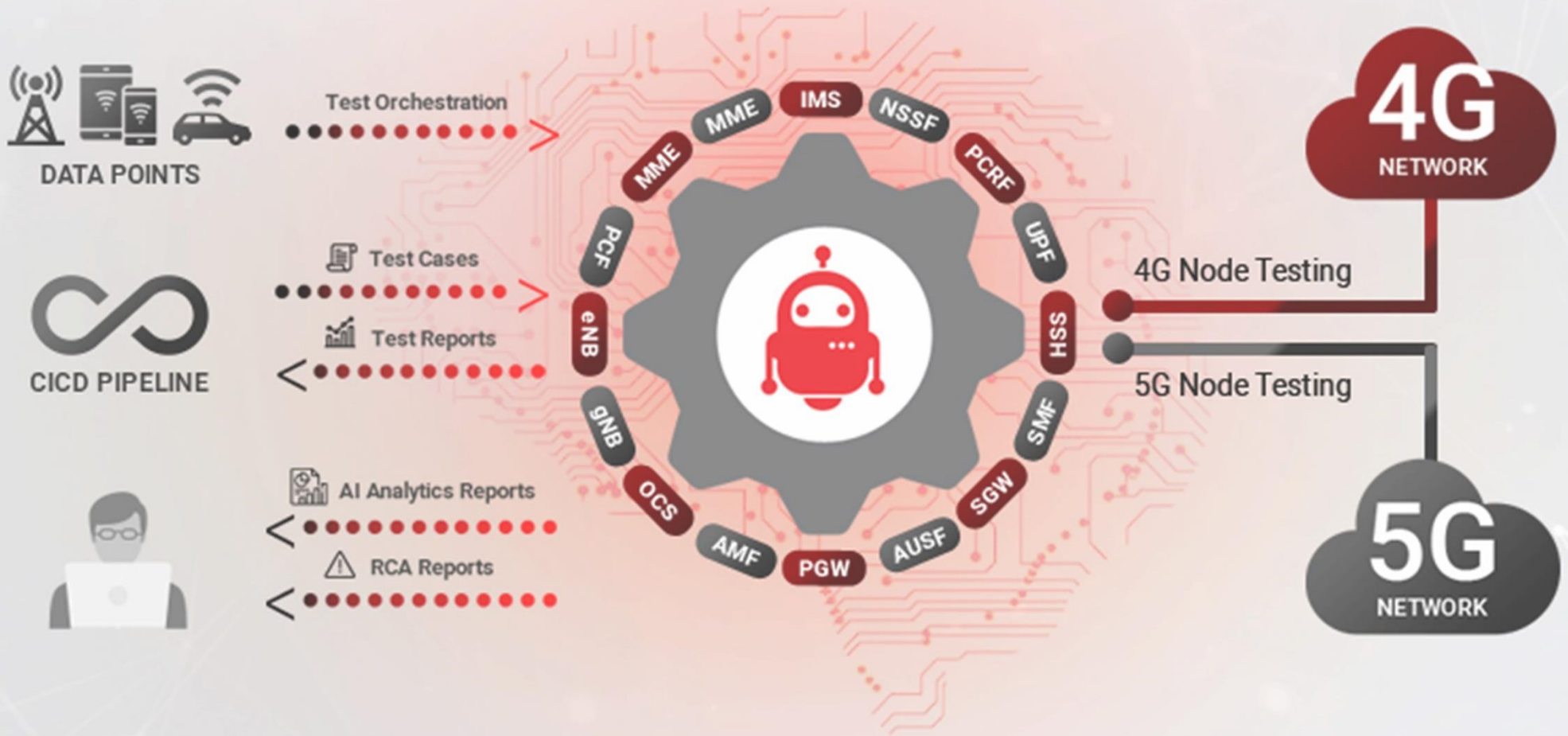
ABot can be a Test Orchestrator

Has 4G/5G canned test cases

Evaluates any 4G/5G use cases

Generates ML based Test Analytics

Provides Root Cause Analysis



THANK YOU

