SOUL KATANA

Network Infrastructure - Kompleks PAS Kedah

Report Period of 12/04/2022 - 08/06/2022

Date	Description
12/04/2022	Site survey, initial observation and requirement study.
12/04/2022	Acquired key equipment from the project ground for deployment study: - RG-NBS3200-24GT4XS L2 10G Uplink Cloud Managed Switches - RG-RAP2260(G) Wi-Fi 6 Dual Band Ceiling Mount Access Point
12/04/2022	Acquired 2 credentials for 2 x TM Unifi 800Mbps from the Project Ground.
14/04/2022	Setup equipment firewall with PFSense 2.6.0 with the following VLANs and Subnets: * 1 - 10.30.1.0/24 - Management * 30 - 10.1.30.0/23 - PC/Phone * 32 - 10.1.32.0/23 - WIFI * 34 - 10.1.34.0/23 - WIFI-Guest * 36 - 10.1.36.0/24 - CCTV
14/04/2022	Registered commercial SSL License of 3 years (annually update) for the name paskedah.aloqstaq.com
15/04/2022	Registered Ruijie Cloud account to manage the acquired Rujie equipment at the following: - https://cloud-as.ruijienetworks.com/
15/04/2022	Tested the available SFP+ 10Gbase-SR module on both the firewall and Ruijie core switch with 1.5m multimode LC-LC cable - connection unsuccessful. Need to request for specific SFP+ module for the Ruijie switch.
18/04/2022	Installation of both firewall and core switch into the network equipment rack in 2nd floor.

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18/04/2022	- Configured 2 x TM Unifi 800Mbps both into eth1 and eth2 of the firewall. - Found neither accounts have static IP which ends up both established connection have same gateway. - Only one connection can sustain and firewall cannot load balance. - Advised client to at least get a static IP for one of the connections.
18/04/2022	Cannot proceed to configure the rest of any other equipment. Discovered labelling wasn't properly done. Need to wait for next visit.
19/04/2022	Met with network installer at project ground. Still cannot proceed with equipment configuration hence labelling at the patch panel is still ongoing. Furthermore client is having live FB session from 2.30pm to 4.30pm daily.
20/04/2022	Following the previous failed 2 x Unifi uplink load balance attempt; Only retain 1 PPPOE account to be dialed via the firewall. The other account to be dialed via the provided TM router then put between the firewall and the ONU.
24/04/2022	Generated 1,023 24hour WIFI voucher for the SSID "KompleksPAS-Tetamu"
18/05/2022	Prepare NVR port at core switch (VLAN 36)
31/05/2022	Configured additional 8 port switches at Level 6 together with access points to each switch.
31/05/2022	- Configured and verified all 8 CCTV cameras - Configured NAT for remote access to CCTV NVR