

Chorus System and Operational Changes

External Customer Change Pack

Jan 2021

Overview

What are we doing

- To support the Chorus RGW feature on NGA and Hyperfibre products, a number of Chorus systems will need to be launched and/or updated. This pack outlines the enhancements to **Remote Managed Service Configuration** website (<https://rmsconfig.chorus.co.nz>).

When is the happening?

- We will deploy these changes (WAN Configuration, LAN configuration) in production on 28th February 2021.
- Previously, we had released Service Info, WiFi Configuration, Voice Configuration and Reset/Reboot ONT capabilities in November 2020.
- Additional functionality, e.g. Security/Firewall configuration would be included in the RMS Config website in future.

What we need from you

Customers will need to ensure that the new system is able to be used by their staff for the intended purpose.

What other systems are impacted

- **Chorus Portal and B2B** - These changes were communicated in the Portal & B2B changes Update found [here](#). Currently scheduled for 28th February 2021.
- There will also be changes to **Assurance Website and API**. These are not covered in this pack and has been communicated separately in the same weekly Update.
- The **Line Test API** will also be updated to include RGW results with new fields. This information will be available through the [API Developers website](#).

RMS Configuration website – View/Modify WAN PPP Configuration

RMS Config

https://rmsconfig.chorus.co.nz

C H O R U S | Configuration

Enter Chorus Product ID JL

Configuration for Product ID 1636567890

Service Info
Wi-Fi
Voice
WAN
LAN
Reboot/Reset

WAN Type PPP DHCP

WAN Enabled

PPP Username*

PPP Password
Must be less than 64 characters long, can contain any upper case or lower case alphanumeric or any of the following special characters [_ , ! - * () & = + \$,] *

PPP Authentication Protocol

PPP Access Concentrator

PPP Service Name

IP Addressing Mode

IPv4

DNS Server 1

DNS Server 2

DNS Server 3

Interface MTU*

Max MRU Size*

IPv6

DNS Server 1

DNS Server 2

DNS Server 3

IP Address Origin

Prefix Delegation Enabled

Submit

C H O R U S

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Description

This screen allows the users to:

1. View WAN PPP configuration for a NGA/Hyperfibre service
2. Modify and save WAN PPP configuration, only if the user has 'privileged' read-write access permissions

Note: Some Chorus RGW ONT software versions do not support remote management of IPv6 configuration at this stage, and hence the relevant sections on the screen will not be visible for those ONTs. We expect a subsequent release of the ONT software to enable this functionality in future.

RMS Configuration website – View/Modify WAN DHCP Configuration

The screenshot shows a web browser window with the URL <https://rmsconfig.chorus.co.nz>. The page title is "RMS Config". The navigation bar includes the Chorus logo, "Configuration", a search bar for "Enter Chorus Product ID", and a user profile icon "JL".

The main content area is titled "Configuration for Product ID 1636567890". On the left is a sidebar menu with options: Service Info, Wi-Fi, Voice, WAN, LAN, and Reboot/Reset. The "WAN" option is selected.

The configuration form is for "WAN Type" and is set to "DHCP". It includes the following fields:

- WAN Type:** Radio buttons for PPP and DHCP (selected).
- WAN Enabled:** Checkmark.
- IP Addressing Mode:** Dropdown menu set to "IPv4+IPv6".
- IPv4:**
 - DNS Server 1: 210.64.198.56
 - DNS Server 2: 210.64.198.57
 - DNS Server 3: (empty)
 - Interface MTU*: 1500
- IPv6:**
 - DNS Server 1: 2407:7000:2100:5300::1
 - DNS Server 2: 2407:7000:ff00:5300::1
 - DNS Server 3: (empty)
 - IP Address Origin: Dropdown menu set to "Auto".
 - Prefix Delegation Enabled: Checkmark.

A "Submit" button is located at the bottom right of the form.

The footer contains the Chorus logo, "Join us" with social media icons (Facebook, YouTube, Twitter, LinkedIn), and "Our websites" with links for Chorus.co.nz, Service providers, Our Company, Investor Centre, and API developers. Copyright information for 2020 Chorus is also present.

Description

This screen allows the users to:

1. View WAN DHCP configuration for a NGA/Hyperfibre service
2. Modify and save WAN DHCP configuration, only if the user has 'privileged' read-write access permissions

Note: Some Chorus RGW ONT software versions do not support remote management of IPv6 configuration at this stage, and hence the relevant sections on the screen will not be visible for those ONTs. We expect a subsequent release of the ONT software to enable this functionality in future.

RMS Configuration website – View/Modify LAN Ethernet Ports Configuration

The screenshot shows a web browser window with the URL <https://rmsconfig.chorus.co.nz>. The page title is "RMS Config". The header includes the Chorus logo and "Configuration" text, along with a search bar for "Enter Chorus Product ID" and a user profile icon "JL".

The main content area is titled "Configuration for Product ID 1636567890". It features three tabs: "Ethernet Ports", "DHCP", and "Static IP". The "Ethernet Ports" tab is active, displaying a table with the following data:

| Service Info | Ethernet Port | Enabled | Maximum Bit Rate | Duplex Mode |
|--------------|---------------|-------------------------------------|------------------|-------------|
| Wi-Fi | 1 (1G) | <input checked="" type="checkbox"/> | AUTO | AUTO |
| Voice | 2 (1G) | <input checked="" type="checkbox"/> | AUTO | AUTO |
| WAN | 3 (1G) | <input checked="" type="checkbox"/> | AUTO | AUTO |
| LAN | 4 (1G) | <input checked="" type="checkbox"/> | AUTO | AUTO |
| Reboot/Reset | 5 (10G) | <input checked="" type="checkbox"/> | AUTO | AUTO |

Below the table is a "Submit" button. The footer contains the Chorus logo, "Join us" with social media icons (Facebook, YouTube, Twitter, LinkedIn), and a list of "Our websites": Chorus.co.nz, Service providers, Our Company, Investor Centre, and API Developers. Copyright information for 2020 Chorus is also present.

Description

This screen allows the users to:

1. View LAN Ethernet Ports configuration for a NGA/Hyperfibre service
2. Modify and save updated LAN Ethernet Ports configuration, only if the user has 'privileged' read-write access permissions

RMS Configuration website – View/Modify LAN DHCP Configuration

The screenshot shows a web browser window with the URL <https://rmsconfig.chorus.co.nz>. The page title is "RMS Config". The navigation bar includes "C H O R U S | Configuration" and a search bar "Enter Chorus Product ID". The main content area is titled "Configuration for Product ID 1636567890" and has three tabs: "Ethernet Ports", "DHCP", and "Static IP". The "DHCP" tab is active. On the left, there is a sidebar menu with options: "Service Info", "Wi-Fi", "Voice", "WAN", "LAN", and "Reboot/Reset". The "LAN" option is selected. The main configuration area is divided into two sections: "LAN IP" and "LAN DHCP".

LAN IP

| | |
|-------------------------|--|
| IP Enabled | <input checked="" type="checkbox"/> |
| Interface IP Address * | <input type="text" value="192.168.1.1"/> |
| Interface Subnet Mask * | <input type="text" value="255.255.255.0"/> |

LAN DHCP

| | |
|-----------------------|--|
| DHCP Server Enabled | <input checked="" type="checkbox"/> |
| DHCP Lease Time | <input type="text" value="86400"/> |
| Minimum IP Address * | <input type="text" value="192.168.1.10"/> |
| Maximum IP Address * | <input type="text" value="192.168.1.100"/> |
| Subnet Mask * | <input type="text" value="255.255.255.0"/> |
| Reserved IP Addresses | <input type="text"/> |

* Reserved IP Address should be between the Minimum IP Address and Maximum IP Address range
* Multiple Reserved IP Addresses can be entered - each separated by a comma
* A maximum of 256 characters can be entered into this field

| | |
|--------------|---|
| DNS Server 1 | <input type="text" value="192.168.1.10"/> |
| DNS Server 2 | <input type="text"/> |
| DNS Server 3 | <input type="text"/> |
| Domain Name | <input type="text" value="abc.co.nz"/> |
| IP Router 1 | <input type="text"/> |
| IP Router 2 | <input type="text"/> |
| IP Router 3 | <input type="text"/> |

Description

This screen allows the users to:

1. View LAN Ethernet Ports configuration for a NGA/Hyperfibre service
2. Modify and save updated LAN Ethernet Ports configuration, only if the user has 'privileged' read-write access permissions

RMS Configuration website – View/Modify LAN Static IP Configuration

The screenshot shows the RMS Configuration website interface. The browser address bar displays `https://rmsconfig.chorus.co.nz`. The page header includes the Chorus logo and a search bar for the product ID. The main content area is titled "Configuration for Product ID 1636567890" and features three tabs: "Ethernet Ports", "DHCP", and "Static IP". A sidebar on the left lists service categories: "Service Info", "Wi-Fi", "Voice", "WAN", "LAN", and "Reboot/Reset". The "Static IP" tab is active, displaying a table with columns for "Static IP Address *", "MAC Address *", and "Delete". Two rows of configuration are visible: one with IP 192.168.1.95 and MAC cd:fe:12:a5:01:2a, and another with IP 192.168.1.96 and MAC 44:03:2c:a0:ff:b9. An "Add Row" button is located below the table, and a "Submit" button is at the bottom right of the configuration area.

| Static IP Address * | MAC Address * | Delete |
|---------------------|-------------------|-------------------------------------|
| 192.168.1.95 | cd:fe:12:a5:01:2a | <input type="checkbox"/> |
| 192.168.1.96 | 44:03:2c:a0:ff:b9 | <input checked="" type="checkbox"/> |

Description

This screen allows the users to:

1. View LAN Ethernet Ports configuration for a NGA/Hyperfibre service
2. Modify and save updated LAN Ethernet Ports configuration, only if the user has 'privileged' read-write access permissions
 - a. New static IP routing can be added by clicking the 'Add Row' button, entering the details and then clicking on 'Submit' button
 - b. Existing routing can be removed by ticking on the checkbox under 'Delete' header and then clicking on 'Submit' button