SPlit pea falatel bowl Beetroot hummus, rocket, Shaved fennel, boby beets brocollini + tahini yoghurt

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# Telstra Connect User Guide

IP Route & Prefix Management – Route Management

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# Telstra Connect IP Route and Prefix Management – Route Management

Route Management as an application allows you to manage your IP services by adding/updating and deleting the routing information for your services. Apart of updating the routing information, one can also view the route details using this application.

This guide will help you navigate and complete critical tasks to benefit your business and provide tips to better utilise the application.

#### Conventions used in this guide

The following typographical conventions are used in this guide for simplicity and readability:

Web addresses, e-mail addresses and hyperlinks are shown in **bold italics**, for example **www.telstraenterprise.com.au**.

#### Foreword

This module allows you to view and change routing information for your GID and IP Transit service. Such as maximising load balancing of traffic across multiple links in the network:

Note: A service will not be accessible in Route Management until **the day after** it has been handed over to you. Updated to Route Management from downstream systems are not immediate, they occur via an overnight process. Please allow up to 24 hours unless stated otherwise

# Chapter 1

## How Do I access Route Management

### **Telstra Connect Sign in**

This section describes how to login into the Telstra Connect and access the Route Management.

#### Step 1

#### Sign in to Telstra Connect

Sign in to Telstra Connect via https://connectapp.telstra.com/.

| Sigr                             | n in to Telstra  | Connec                    |
|----------------------------------|--|---------------------------|
| <b>Usernam</b><br>user3@r        | e<br>eachcrm.com   |                           |
| This may b<br>communica          | e the email address you receive<br>tions from or your Telstra ID Use | Telstra Connect<br>rname. |
| Rem                              | nember username  |                           |
| If you tick the<br>if you're use | nis box we'll remember your user<br>ing a public or shared device.   | name. Leave it unticke    |
|                                  |  |                           |
|                                  | Next   |                           |

Redirecting to IP Prefix and Route management (Service tool) application from Telstra Connect

Note: All changes are applied to the AS Number not just an individual service

1. Click on "Manage" under "Request".

|                        | Australian oustomers: From 10pm - 1am AEBT on Mond<br>mobile services. We've chosen a time that's hopefully le | ay 8 August we'll be making some updates that may disrup<br>ast disruptive to you and apologise for any inconvenience. | t your ability to submit service requests for your | x                                |
|------------------------|--|--|--|----------------------------------|
| Teistra Connect        |  |  |  | 30 Samuel Telatra Connect User 🗸 |
| Dashboard              | C Evening, Samuel  |  |  |                                  |
| Submit                 | Your shortouts What's new  |  |  |                                  |
| Request or change      |  |  |  |                                  |
| Incident               | Requests   | Your orders  | Your incidents                                     |                                  |
| Event                  | • Ontrack 1  | 0  | • P1 00  |                                  |
| 12 Track               | 230 • On hold 1<br>• Delayed 228   | There was an error loading this app  | Action required ->                                 |                                  |
| Requests               |  | CeTryanain   |  |                                  |
| Your orders            | Manage   |  | View all New Incident                              |                                  |
| Incidents              | Dilling  | Venerates  | Diamod Majatanana                                  |                                  |
| Your quotes            | Bitting  |  | Planned Maintenance                                |                                  |
| C Requests             |  |  | ()   |                                  |
| E Biling               |  |  | There was an error loading this app                |                                  |
| 43 Planned Maintenance | View and manage your bills   | Bequest quotes   | Create meintenance event Tack events               |                                  |
| Help and support       |  |  |  |                                  |
| Submit feedback        |  |  |  |                                  |
| Submit a bug           |  |  |  |                                  |
| User management        |  |  |  |                                  |
|                        |  |  |  |                                  |

2. After selecting "Manage" the below page will open. Click on "IP Route and Domain management" under Service configuration and reporting tools. A pop up will open as shown below. Select "Continue".

| Requests  |   |   | Track requests |
|---|---|---|----------------|
| Q Search  |   | _ |                |
| Service configuration<br>and reporting tools                    |   |   |                |
| Manage and configure your<br>services and view network reports. |   |   |                |
| រ៉ុំប្អ IP Route and Domain management                          | Ľ |   |                |
| 😰 SD-WAN  | Ľ |   |                |
|   |   |   |                |

| You're leaving Telstra Connect a<br>directed to IP Route and Domai<br>management                         | and will be re-<br>n                   |
|--|--|
| Your Telstra Connect session times out aff<br>no activity, so if you're gone for a while you<br>back in. | ter 15 minutes of<br>will need to sign |
| Company: Test Company TI   |  |
| <u>Cancel</u>  | Continue                               |

Note: The continue button is only enabled if you have the IPT and GID services.

On the IP Prefix and Domain management (Service Tools) landing page select GID or IPT Product

Note: All changes are applied to the AS Number not just an individual service.

1. GID Product Selection



#### 2. IPT Product Selection

| ۷     | Welcome 0825362   | Logout | Product Selection |
|-------|---|--------|-------------------|
| TOOLS | Please select a product from 'Product Selection' dropdown to view tools available for you services. |        |                   |

#### Step 4

Select route management from left hand side menu and then select desired feature:



- 1. Single Prefix Upload (Go To Chapter 2) How to upload a single prefix to each AS number.
- 2. Bulk Prefix Upload (Go To Chapter 3) How to bulk upload a prefix list to each AS number.
- 3. View/Delete Prefix (Go To Chapter 4) How to View and Delete the prefix list.

# Chapter 2 Single Prefix Upload

This feature is available for registered BGP customer(s) only and Telstra shall apply a single prefix list to each AS number.

Any changes made here will be uploaded to the routers. Please change with care.

An email notification on the status of the prefix update request will be sent within two business days.

#### Step 1

Select single prefix upload from the submenu.



#### Step 2

Select a service - select the as number that the BGP prefix list will apply to.

Note: The Prefix List is associated to the AS Number not an individual service.

| <b></b>                       | Welcome D825362 Logout IPT   |   |
|-------------------------------|--|---|
| TOOLS                         | BGP Prefix List Change Request   |   |
| > Looking Glass > Network CLI | This feature is available for registered BGP customer(s) only and Telstra shall apply a single prefix / bulk prefix list to each AS number.<br>Any changes made here will be uploaded to our routers. Please change with care.<br>An email notification on the status of the prefix update request will be sent within the next 2 business days. |   |
| > Route Management            | Select a service:<br>1. AS000<br>HKG IPT 000000<br>ZZZ IPC 0000000<br>HKG IPT 0000010<br>HKG IPT 0000100<br>HKG IPT 0000100  |   |
| K                             | Supported on IE10+ & latest versions of Chrome & Firefox.  | ~ |

#### Add a BGP prefix list change request

Note: An asterisk identifies all mandatory fields (\*) and must be filled in.

| BGP Prefix List Chang   | e Request  |  |  |
|---|--|--|--|
| This feature is available for re<br>Any changes made here will<br>An email notification on the st | splatered BGP customer(s) only and Tellstra shall apply a si<br>be uploaded to our routers. Please change with care,<br>tatus of the prefix update request will be sent within the nex | igle prefix / buik prefix list to each AS number.<br>12 business days.                     |  |
| IPv4 IPv6   |  |  |  |
| Network Prefix*   | Enter the Pv4 address  | 0  |  |
| Maintained By   | Erter the maintained by volue  | 0  |  |
| Origin  | Enter the AS number  | 0  |  |
| Email Id  | Enter your remail life   | 0  |  |
| I warrant that all information p<br>acknowledge that Telstra res                                  | provided by me on this website is correct and I agree to ind<br>erves the right to block or filter out any inappropriate netwo   | mnify Telstra and its subcontractors for any loss o<br>k announcements from its customers. | or damage which might incur as a result of the information provided by me on this website. |
| Accept  |  |  |  |
| ("indicates mandatory fields)   |  |  |  |
| Submit  | Clear BGP 1  | alicy  |  |

To review the BGP Policy prior to submitting a request press the *BGP Policy* button. This will display the BGP Policy as per below:

| BGP Policy   |   |
|--|---|
| COMMUNITY FEATURES A   | VAILABLE WITH THE TELSTRA GLOBAL INTERNET DIRECT (GID) / IP TRANSIT SERVICE   |
| The Teistra Global internet C<br>traffic across multiple links of<br>The BGP-4 Community Peat  | Inect / IP Transit Service provides Border Gateway Protocol (BGP-4) community features to enable customers to maximize the load balancing of their<br>Inmeding to the Telatra IP network.<br>Lines are a complementary service to all Telatra customers with more than one GID / IP Transit service connection to the Telatra network.  |
| Setting Up Local Preference  | e Features (relevant to traffic from Teletra to the customer)   |
| You can control the local pre<br>1. Tag the routes you advert<br>2. The following table task th<br>3. Once the request has bee<br>routes (point 1).  | Rence setting Teistra attaches to your prefixes into the Teistra network by following the steps outlined below:<br>se to Teistra with specific community strings.<br>relevant community strings and the companyonding local preference that Teistra will set in GID / IP Transit network,<br>in submitted, Teistra will start sending to Telesinghating your particular sub-network according to the preference specified by you when you tagged th |
| Community String   | Description of Corresponding Local Preference Setting   |
| 65535:65281  | NO_EXPORT (RFC 1997)  |
| 4637:70  | Sets the local preference to 370  |
| 4637:80  | Sets the local preference to 380  |
| 4637:110   | Sets the local preference to 410  |
| 4637:120   | Sets the local preference to 420  |
| Notes:<br>(1) The default local preferen<br>(2) Traffic will prefer to est th<br>(3) Adding the above comm.<br>(4) Adding the above comm.<br>(4) Other any questions re-<br>ef1202090164.<br>Back To Home Page | be setting used by the Telstra network for oustomer connections is 400.<br>In Telstra network via the oustomer connection that has the higher local preference.<br>Inthy strings will only be effective if the oustomer has more than one GiD //IP Transit service with Telstra.<br>parding this service or require assistance with setting up BGP-4 Community Peatures, please contact Telstra NGO (Next Generation Operations) on                 |

#### Enter the details as below:

#### Step 1

#### IP Version (IPV4 OR IPV6)

Select the IP Address version this this BGP Prefix List Request is for.



#### Step 2

#### **Network Prefix**

Allows the entry of the BGP Network Prefix IP Address.

Note: This must be in the IP Address format for the IP Version selected in 1.2.5 (e.g. 202.84.10.0/24).

#### Step 3

#### Maintained by

Enter the identifier of a registered maintainer object used for authorisation. It should refer to the maintainer label registered in RADB/APNIC.

#### Step 4

#### Origin

Enter the AS number to which the prefix belongs (e.g. AS1234).

#### Step 5

#### Email ID

Enter the email addresses. Multiple email addresses separated by semi-colon (;) can be entered (e.g. *user1@testmail.com;user2@testmail.com*).

#### Accept Checkbox

Read the statement to ensure that you accept what is stated. Then if you **tick** the **Accept** checkbox.

Note: It can take up to two business days for the request to be processed.

I warrant that all information provided by me on this website is correct and I agree to indemnify Telstra and its subcontractors for any loss or damage which might incur as a result of the information provided by me on this website. I acknowledge that Telstra reserves the right to block or filter out any inappropriate network announcements from its customers.

Accept

#### Step 7

#### Submit or Cancel the Primary DNS Record Request

Press *Submit* to submit the request to add the BGP Prefix List request, otherwise press *Clear* to clear any changes made in this screen.



A message will display indicating uploading the network prefix list request was successful.

Your request has been successfully submitted. Add network prefix 212.51.204.0/24 accepted. An email notification on the status of the prefix update request will be sent within the next 2 business days.

Go Back To Home Page

Note: It can take up to two business days for the request to be processed.

# Chapter 3

# Bulk Prefix Upload

This feature is available for registered BGP customer(s) only and Telstra shall apply a bulk prefix list to each AS number.

Any changes made here will be uploaded to the routers. Please change with care. An email notification on the status of the prefix update request will be sent within 2 business days.

#### Step 1

Select bulk prefix upload from the submenu.



#### Step 2

Select a service - select the as number that the BGP prefix list will apply to.

Note: The Prefix List is associated to the AS Number not an individual service.



## Add the BGP Prefix Request

Note: An asterisk identifies all mandatory fields (\*) and must be filled in.

| BGP Prefix List (   | Change Request   |
|---|--|
| This feature is availab   | le for registered BGP customer(s) only and Telstra shall apply a single prefix / bulk prefix list to each AS number.   |
| Any changes made h  | ere will be uploaded to our routers. Please change with care.  |
| An email notification of  | on the status of the prefix update request will be sent within the next 2 business days.   |
| IPv4 IPv6   |  |
| Please upload .csv fil  | e containing list of prefix in the first column.View Example.csv   |
| Upload file*  | Please choose a file to upload. browse   |
| Maintained By   | Enter the maintained by value  |
| Origin  | Enter the AS number  |
| Email Id  | Enter your email id  |
| I warrant that all infor<br>or damage which mig<br>to block or filter out a | mation provided by me on this website is correct and I agree to indemnify Telstra and its subcontractors for any loss<br>ht incur as a result of the information provided by me on this website. I acknowledge that Telstra reserves the right<br>ny inappropriate network announcements from its customers. |
| Accept  |  |
| (*indicates mandatory   | fields)  |
| Submit  | Clear BGP Policy   |

To review the BGP Policy prior to submitting a request press the *BGP Policy* button. This will display the BGP Policy as per below:

| BGP Policy  |  |
|---|--|
| COMMUNITY FEATURES A  | AILABLE WITH THE TEL \$TRA GLOBAL INTERNET DIRECT (GID) / IP TRANSIT SERVICE   |
| The Telstra Global Internet D<br>traffic across multiple links co   | rect / IP Transit Service provides Border Gateway Protocol (BGP-4) community features to enable customers to maximize the load balancing of t<br>meeting to the Telstra IP network.  |
| The BGP-4 Community Feat  | res are a complementary service to all Telstra customers with more than one GID / IP Transit service connection to the Telstra network.  |
| Setting Up Local Preference   | Features (relevant to traffic from Teletra to the customer)  |
| You can control the local pref<br>1. Tag the routes you advertil<br>2. The following table lists the<br>3. Once the request has beer<br>routes (point 1).                                   | rence setting Teistra attaches to your prethes into the Teistra network by following the steps outlined below.<br>Eto Teistra with specific community strings,<br>relevand community forming and the consequenting local preterence that Teistra will set in GID / IP Transit network,<br>submitted, Teistra will start sending traffic designating your particular sub-network, according to the preference specified by you when you lagge<br>submitted, Teistra will start sending traffic designating your particular sub-network, according to the preference specified by you when you lagge                                       |
| Community String  | Description of Corresponding Local Preference Setting  |
| 65535:65281   | NO_EXPORT (RFC 1997)   |
| 4637:70   | Sets the local preference to 370   |
| 4637:80   | Sets the local preference to 360   |
| 4637:110  | Sets the local preference to 410   |
| 4637:120  | Sets the local preference to 420   |
| Notes:<br>(1) The default local preference<br>(1) Traffic will prefer to exit th<br>(10) Adding the above community<br>(11) you have any questions reg<br>+61282898164<br>Back To Home Page | setting used by the Tellstra network for outdomer connections is 400.<br>Teldsta network va the outdomer connection that has he higher local preference.<br>In y drings all only dreatforer if the outdomer has more than one GO / IP Transit service with Telstra.<br>Ind y drings all only dreatforer if the outdomer has more than one GO / IP Transit service or nequire assistance with setting up BGP-4 Community Features, please contact Telstra NGO (Next Generation Operations) i<br>and the service or nequire assistance with setting up BGP-4 Community Features, please contact Telstra NGO (Next Generation Operations) i |

#### Enter the details as below:

#### Step 1

#### IP version (IPv4 or IPv6)

Select the IP Address version this this BGP Prefix List Request is for.



#### Step 2

#### Upload file

Allows the bulk prefix list upload in a .csv file with the list of prefixes in the first column.

| Please upload .csv file containing list of prefix in the first column.View Example.csv |                                 |  |  |  |
|--|---------------------------------|--|--|--|
| Please choose a file to upload.  |                                 |  |  |  |
|  | browse                          |  |  |  |
|  | Please choose a file to upload. |  |  |  |

Upload a .csv file by clicking the Browse button. A Sample .csv can be viewed by clicking the link Example.csv

|    | А                | B |  |  |  |  |
|----|------------------|---|--|--|--|--|
| 1  | 212.51.204.0/24  |   |  |  |  |  |
| 2  | 212.51.208.0/20  |   |  |  |  |  |
| з  | 212.191.0.0/17   |   |  |  |  |  |
| 4  | 192.153.127.0/20 |   |  |  |  |  |
| 5  |                  |   |  |  |  |  |
| 6  |                  |   |  |  |  |  |
| 7  |                  |   |  |  |  |  |
| 8  |                  |   |  |  |  |  |
| 9  |                  |   |  |  |  |  |
| 10 |                  |   |  |  |  |  |
| 11 |                  |   |  |  |  |  |
| 12 |                  |   |  |  |  |  |
| 13 |                  |   |  |  |  |  |
|    | ← → Example_IPV4 |   |  |  |  |  |

#### Step 3

#### Maintained by

Enter the identifier of a registered maintainer object used for authorization. It should refer to the maintainer label registered in RADB/APNIC.

#### Origin

Enter the AS number to which the prefix belongs (e.g. AS1234).

#### Step 5:

#### Email ID

Enter the email addresses. Multiple email addresses separated by semi-colon (;) can be entered (e.g. *user1@testmail.com*; *user2@testmail.com*).

#### Step 6

#### Accept Checkbox

Read the statement to ensure that you accept what is stated. Then if you **tick** the *Accept* checkbox.

Note: A request to add a BGP Prefix List cannot be submitted unless the Accept checkbox has been ticked.

I warrant that all information provided by me on this website is correct and I agree to indemnify Telstra and its subcontractors for any loss or damage which might incur as a result of the information provided by me on this website. I acknowledge that Telstra reserves the right to block or filter out any inappropriate network announcements from its customers.

Accept

#### Step 7

#### Submit or Cancel the Primary DNS Record request

Press *Submit* to submit the request to add the BGP Prefix List request, otherwise press Clear to clear any changes made in this screen.



A message will display indicating uploading the network prefix list request was successful.

Note: It can take up to 2 business days for the request to be processed.

## Chapter 4

## View / Delete prefix

This feature is available for registered BGP customer(s) only and the lists the network prefix lists to an AS Number as well as the ability to request selected network prefix lists be deleted.

#### Step 1

Select bulk prefix upload from the submenu.



#### Step 2

Select a service - select the as number that the BGP prefix list will apply to.

Note: The Prefix List is associated to the AS Number not an individual service.



## View BGP Prefix List(s)

After the AS Number is selected, the BGP Prefix List(s) will be displayed along with their status in the far right column.

| Routi | g Table for AS9225 |        |                          |                          |             |   |  |
|-------|--------------------|--------|--------------------------|--------------------------|-------------|---|--|
|       | Network Prefix     | Action | Time Entered             | Time Completed           | Status      | ^ |  |
|       | 114.0.0.0/24       | Add    | 2016-23-09 06:43:28 UTC  |                          | Queued      |   |  |
|       | 156.126.0.0/16     | Delete | 2016-31-08 12:08:35 UTC  | 2016-31-08 12:09:18 UTC  | In Progress |   |  |
|       | 182.23.0.0/18      | Delete | 2016-31-08 12:08:35 UTC  | 2016-31-08 12:09:18 UTC  | In Progress |   |  |
|       | 2AB7:BAD0::/48     | Delete | 2016-31-08 12:08:35 UTC  | 2016-31-08 12:09:58 UTC  | In Progress |   |  |
|       | 495.0.0.0/40       | Delete | 2046 24 09 42-09-25 LITC | 2046 24 09 42-00-49 LITC | In Dragrage |   |  |

#### Delete BGP Prefix List(s)

#### Step 1

#### Select BGP Prefix to be deleted

To **Delete** a BGP Prefix List(s) tick the check box in the first column for the rows that correspond to the Network Prefixes to be deleted.

A Network Prefix record will have a Status of **Completed** if it is successfully uploaded on to router and **Queued** or **In Progress** if it is not yet uploaded on to the router.

Note: A Delete request cannot be "Undeleted". If a Network Prefix has been deleted by mistake then a new BGP Prefix Upload request will need to be submitted.

| Netw                     | Network Prefixes in our Record |        |                         |                         |             |  |  |  |  |
|--------------------------|--------------------------------|--------|-------------------------|-------------------------|-------------|--|--|--|--|
| Routing Table for AS9225 |                                |        |                         |                         |             |  |  |  |  |
| <b>V</b>                 | Network Prefix                 | Action | Time Entered            | Time Completed          | Status      |  |  |  |  |
| ☑                        | 114.0.0.0/24                   | Add    | 2016-23-09 06:43:28 UTC |                         | Queued      |  |  |  |  |
|                          | 156.126.0.0/16                 | Delete | 2016-31-08 12:08:35 UTC | 2016-31-08 12:09:18 UTC | In Progress |  |  |  |  |
|                          | 182.23.0.0/18                  | Delete | 2016-31-08 12:08:35 UTC | 2016-31-08 12:09:18 UTC | In Progress |  |  |  |  |
|                          | 2AB7:BAD0::/48                 | Delete | 2016-31-08 12:08:35 UTC | 2016-31-08 12:09:58 UTC | In Progress |  |  |  |  |
|                          | 185.0.0.0/10                   | Delete | 2016-31-08 12:08:35 UTC | 2016-31-08 12:09:18 UTC | In Progress |  |  |  |  |
|                          | 33BA:3BDA::/50                 | Delete | 2016-31-08 12:08:35 UTC | 2016-31-08 12:09:58 UTC | In Progress |  |  |  |  |
|                          | 2ABC:3ACD::/56                 | Delete | 2016-31-08 12:08:34 UTC | 2016-31-08 12:09:58 UTC | In Progress |  |  |  |  |
|                          |                                |        |                         |                         |             |  |  |  |  |
|                          | Delete Clear                   |        |                         |                         |             |  |  |  |  |

Once a check box is ticked the *Delete* and *Clear* buttons will appear.

#### Step 2:

#### Submit or cancel the primary DNS record request

- Click *Delete* to delete the ticked rows / network prefixes.
- Click *Clear* to remove all ticks from check boxes and return the screen to its default view.

Your request has been successfully submitted.

Delete network prefix is successful. The status of the deleted prefix request will be updated within the next 2 business days.

Go Back To Home Page

Note: It can take up to two business days for the request to be processed.