Number Portability

Section overview

This section represents local databases of the two providers: **Numuri** and **TJA.** Here, you can find the list of Numuri ranges and TJA numbers downloaded by **Files Collector**. It's intended to facilitate the administration of number portability. **Number Portability** refers to the ability to transfer either an existing fixed-line or mobile telephone number assigned by a local exchange carrier and reassign it to another carrier.

> ✅ **How it works**
>
> **TJA (RN):** During the translation of the call, the system verifies the code of a TJA number, identifies the number, and changes the Dst Number to **372+ RN Number**.
> **Numuri/TJA (Owner):** During the translation of the call, the number is verified and the system **applies a dynamic tag** (owner's name) to the call for further billing.

The section consists of 3 tabs:

- **Number Portability**
- **Gateways**
- **Downloads History**

Number Portability tab

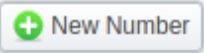Tab is presented in the form of a table of ranges of numbers with the following columns:

Screenshot: Number Portability

Column Name	Description
ID	Identification number of a number range
Range Start	Starting number in a respective range
Range End	Final number in a respective range
Owner	Name of a number range owner
Modification Date	Indication of the latest date of numbers range modification

Functional **buttons/icons** that are present in a section are as follows:

Button/Icon	Description
➕ New Range	Allows creating a new range of numbers for **Numuri** provider

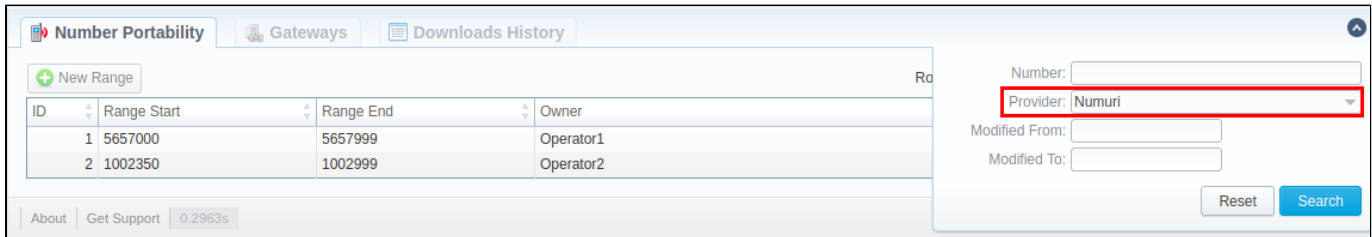|	
New Number	Allows adding a new number for **TJA** provider
✏️	Allows managing an existing range of numbers on a list
✖️	Allows deleting a range of numbers from the system. Requires confirmation

Advanced Search

Use the **Advanced Search** drop-down menu for fast investigation in this section. This tool provides a filter to limit the search results for higher working efficiency. By default, section data is filtered by **Numuri** provider. To display **TJA** provider data, in a drop-down menu select **TJA** in the *Provider*
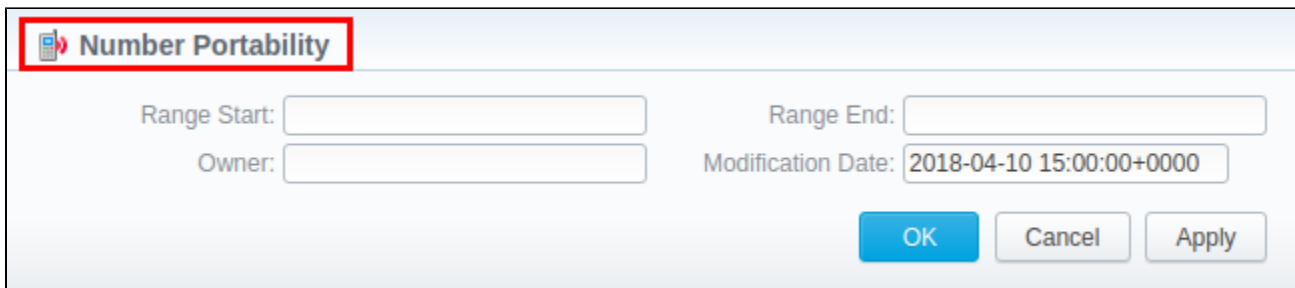
field. click on the blue downward arrow icon.

Screenshot: Number Portability section

Creating a New Range/Number

To create a **Numuri range** of numbers, click the **New Range** button and specify the fields listed below. After that, click **OK.**

Screenshot: Number Portability section/Numuri range creation form

Field	Description
Range Start	Set the range's start position
Range End	Set the end position
Owner	Determine an operator that owns a respective range of numbers ⚠️ **Attention** Further, the owner's name will be applied to the call as a tag (for example, EU Carrier 1) for billing the call.
Modification Date	Indicate the last modification date

To add **TJA number**, click the **New Number** button, specify the required fields, and confirm number creation by clicking **OK**. The list of fields in a creation form is as follows:

Screenshot: Number Portability section/TJA number creation form

Field	Description
Code	Specify the code of a TJA number
RN Number	Indicate a registration number
Modification Date	Indicate the last modification date
Code Name	Specify a respective code name of a TJA provider
Owner	Determine an operator that owns a respective number

Gateways tab

> ⚠ **Attention**
>
> In **VCS 3.17.0**, for the purpose of making the **Traffic Processing** section more versatile, the TJA gateway has been divided into *TJA (Routing Number)* and *TJA (Owner)* (more information can be found in this article). Please note that each gateway in the tab has its own unique and predefined format of LNP update file, thus, we recommend to address our support center to avoid any possible issues while configuring the gateways.

Apart from **Numuri** and **TJA**, JeraSoft Billing is integrated with the following providers:

1. **Broadvox**
2. **Vera Networks**
3. **PCT**

The **Gateways** tab is presented in the form of a table of gateways of all 6 above-mentioned providers with an indication of its name and assigned data source. However, only **Numuri** and **TJA** can be managed. To assign a new data source to a gateway, click on a respective gateway name and specify a target data source in a corresponding field (see screenshot below). Depending on a selected data source, additional fields may differ (see **Data Source** section):

Screenshot: Numuri gateway management

Downloads History tab

Downloads History tab displays files downloading history through one of the number portability gateways. It is presented in a form of a table where ID, gateway name, filename, download date and file size are specified. Also, you can remove files from the list by selecting them and clicking on the **Delete** button above the tab.

Screenshot: Downloads History tab

	ID	Name	Filename	Download Date	File size
☑	1	tja	tmp9nKgkt	04/11/2018 08:25:04 +0000	6.74 Kb

Number Portability | Gateways | **Downloads History**

🗙 Delete   Rows **1 – 1** of **1**   ▦ 20 ▾   « ‹   Page 1 of 1   › »

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LNP/MNP Configuration

LNP/MNP configuration can be divided into 2 steps:

1. Set up the download of external data to local LNP/MNP databases
2. Configure communication between JeraSoft Billing and these databases

Step 1

To configure a download of external data, namely LNP/MNP file updates, you need to:

1. Open **Data Source** section and create a new data source with **IMAP** or **Web (Numuri)** connection type.
2. Go to the **Gateways** tab of **Number Portability** section and open **TJA** or **Numuri** gateway settings.
3. Assign **IMAP** or **Web (Numuri)** data source to a respective gateway.

> ✅ **Tip**
> - **IMAP** - mail mode to download files. For this type, the format of the file must be ***csv.zip.**
> - **Web (Numuri)** - web mode to download files. For this type, the format of the file must be ***csv.**

4. At first, downloaded files will be displayed in the **Downloads History** tab. After being parsed by the **Files Collector** tool, numbers will be displayed in the **Number Portability** tab.

Step 2

The next stage is to configure JeraSoft Billing addressing to our local LNP/MNP databases during routing. To do so:

1. Go to the **Traffic Processing** section and create a new rule or open settings of an existing one.
2. Select a target provider from the drop-down list of **LNP/MNP** field and apply settings.

Congrats! Your LNP/MNP is configured and ready for work.