Number Portability

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Section overview

This section represents local databases (further on, we'll describe everything on the example of the two providers: **Numuri** and **TJA**). Here, you can find the list of ranges and 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.

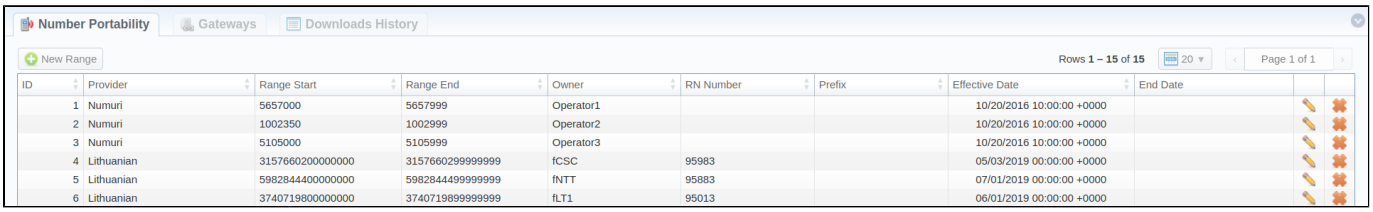
The section consists of 3 tabs:

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

Number Portability tab

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

Screenshot: Number Portability



ID	Provider	Range Start	Range End	Owner	RN Number	Prefix	Effective Date	End Date
1	Numuri	5657000	5657999	Operator1			10/20/2016 10:00:00 +0000	
2	Numuri	1002350	1002999	Operator2			10/20/2016 10:00:00 +0000	
3	Numuri	5105000	5105999	Operator3			10/20/2016 10:00:00 +0000	
4	Lithuanian	3157660200000000	3157660299999999	fCSC	95983		05/03/2019 00:00:00 +0000	
5	Lithuanian	5982844400000000	5982844499999999	fNTT	95883		07/01/2019 00:00:00 +0000	
6	Lithuanian	3740719800000000	3740719899999999	fLT1	95013		06/01/2019 00:00:00 +0000	

Column Name	Description
ID	Identification number of a number range
Provider	Name of a number range provider
Range Start	Starting number in a respective range
Range End	Final number in a respective range
Owner	Name of a number range owner
RN Number	Registration number for the range
Prefix	Number prefix
Effective Date	Indication of the latest date of numbers range modification
End Date	Indication of the date after which the range won't be valid

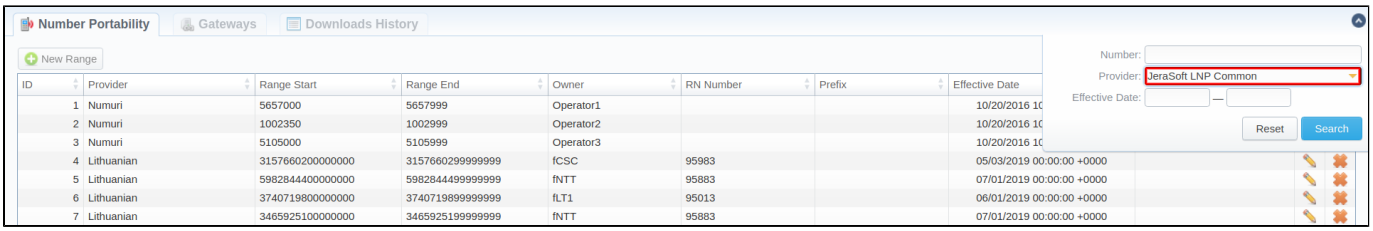
Functional **buttons/icons** that are present in a section are as follows:

Button/Icon	Description
New Range	Allows creating a new range of numbers for a 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. To display **JeraSoft LNP Common** provider data, select **JeraSoft LNP Common** in a drop-down menu of the ***Provider*** field. Click on the blue downward arrow icon.

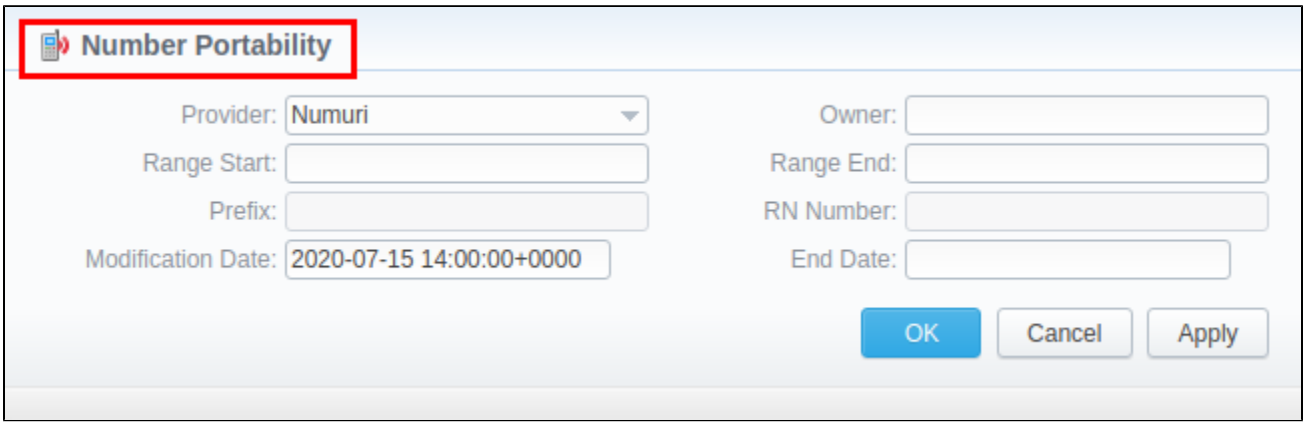
Screenshot: Number Portability section



Creating a New Range/Number

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

Screenshot: Number Portability range creation form



Field	Description
Provider	Select the needed provider from the available dropdown: • **JeraSoft LNP Common** • **JeraSoft LNP - tags only** • **Numuri** • **TJA (RN)** • **TJA (Owner)** • **Lithuanian**
Range Start	Set the range's start position
Range End	Set the end position
RN Number	Indicate a registration number
Prefix	Number prefix

Owner	Determine an operator that owns a respective range of numbers/number **Attention** Further, the owner's name will be applied to the call as a tag (for example, EU Carrier 1) for billing the call.
Effective Date	Indicate the last modification date
End Date	Indicate the end date for the range

Gateways tab

Attention

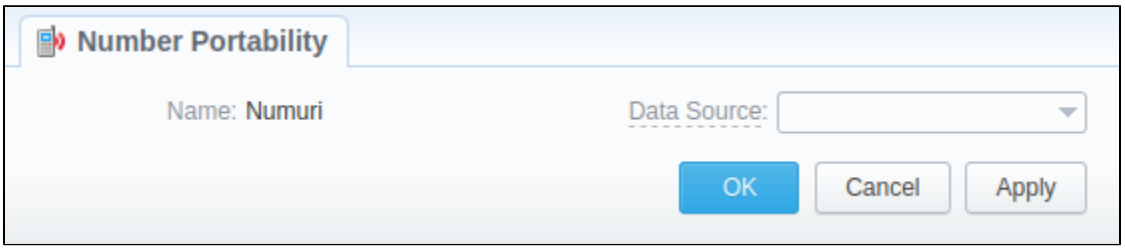
In **VCS 3.17.0**, for the purpose of making the **Traffic Processing** section more versatile, the TJA gateway has been divided into ***TJA (Routing Number)*** and ***TJA (Owner)*** (more information can be found in this article). Please note that each gateway in the tab has its own unique and predefined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

Apart from **Numuri, TJA, Lithuanian, JeraSoft LNP Common, JeraSoft LNP - tags only,** 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 the above-mentioned providers with indication of their names and assigned data sources. You can manage **Numuri, TJA, Lithuanian, and JeraSoft LNP Common**. 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



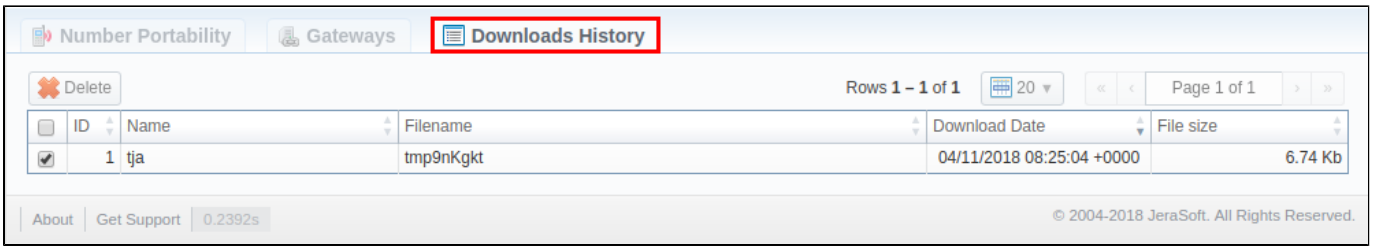
Note

When the database is local and has both ranges and single numbers present in it, we always select the most recent record by date (regardless of whether it is a single number or a range).

Downloads History tab

Downloads History tab displays files downloading history through one of the number portability gateways. It is presented in the form of a table where ID, g ateway 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** butt on above the tab.

Screenshot: Downloads History tab



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 the **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.

Knowledge Base Articles

Error rendering macro 'contentbylabel'

parameters should not be empty