

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:

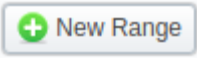


Screenshot: Number Portability

ID	Provider	Range Start	Range End	Owner	RN Number	Prefix	Modification Date	End Date
1	TJA (RN)	22	22	test	55		07/13/2020 12:00:00 +0000	
2	JeraSoft LNP Common	21	21	Vodafone		Vodafone	07/13/2020 20:50:27 +0000	
3	JeraSoft LNP Common	30	35	Vodafone		Vodafone	07/13/2020 20:50:27 +0000	
4	JeraSoft LNP Common	20	20	Vodafone		Vodafone	07/13/2020 20:50:27 +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
Modification 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:

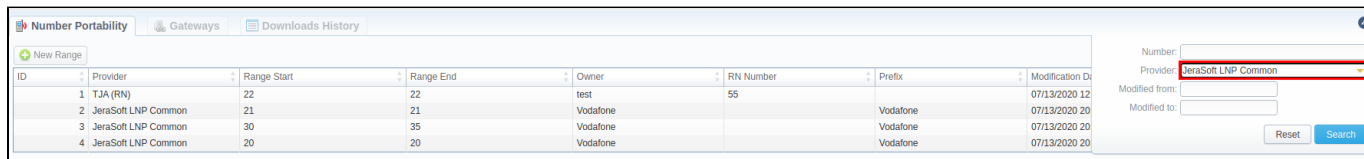
Button/Icon	Description
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	Allows creating a new range of numbers for a provider
	Allows managing an existing range of numbers on a list
	Allows deleting a range of numbers from the system. Requires confirmation

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

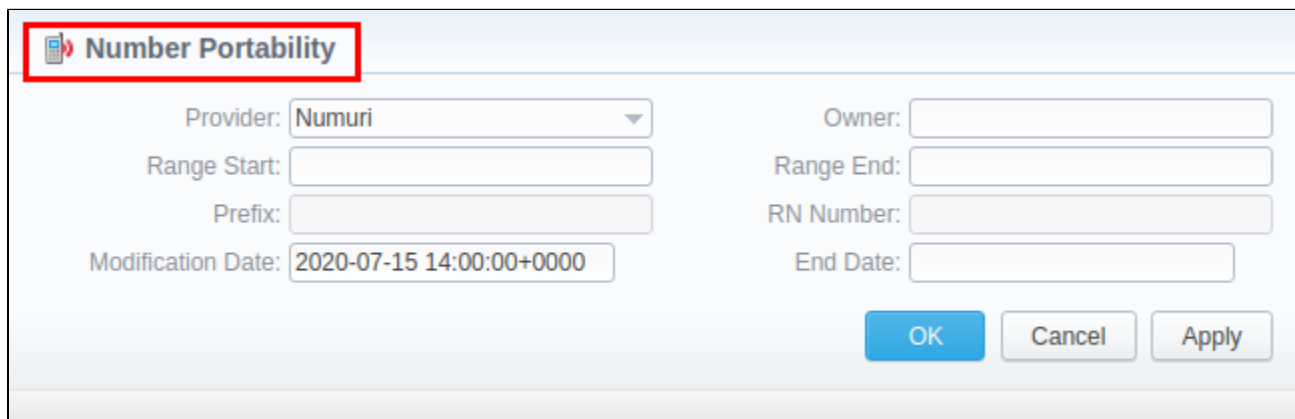


ID	Provider	Range Start	Range End	Owner	RN Number	Prefix	Modification Date
1	TJA (RN)	22	22	test	55		07/13/2020 12
2	JeraSoft LNP Common	21	21	Vodafone		Vodafone	07/13/2020 20
3	JeraSoft LNP Common	30	35	Vodafone		Vodafone	07/13/2020 20
4	JeraSoft LNP Common	20	20	Vodafone		Vodafone	07/13/2020 20

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



Number Portability

Provider:

Range Start:

Range End:


Prefix:

RN Number:

End Date:

Modification Date:

Owner:

Field	Description
Provider	<p>Select the needed provider from the available dropdown:</p> <ul style="list-style-type: none"> • 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	<p>Determine an operator that owns a respective range of numbers/number</p> <div>  Attention </div> <p>Further, the owner's name will be applied to the call as a tag (for example, EU Carrier 1) for billing the call.</p>

Modification 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 Billing is integrated with the following providers:

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

Number Portability	Gateways	Downloads History
Name	Data Source	
Vera Networks	—	
Broadvox	—	
PCT	—	
Numuri	—	
TJA (RN)	—	
TJA (Owner)	—	
Lithuanian	—	
JeraSoft LNP Common	—	

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

Number Portability

Name: Numuri

Data Source:

OK Cancel Apply

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, 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

Number Portability

Gateways

Downloads History

Delete

Rows 1 – 1 of 1

20

Page 1 of 1

	ID	Name	Filename	Download Date	File size
<input checked="" type="checkbox"/>	1	tja	tmp9nKgkt	04/11/2018 08:25:04 +0000	6.74 Kb

About

Get Support

0.2392s

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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 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.