

How the portability must works in Brazil with the Mizu Platform

STEP 1 - DATA IMPORTATION FROM PORTABILITY

Import ported numbers from BDT files -> transform data to tb_portednumbers

Field	Description	Format	Example
Field 1	Portability Ticket Number	Numeric	28
Field 2	Action - Create or Delete	Numeric of which: 0=Create and 1=Delete	0
Field 3	Telephone Number - TN	N(10 or 11)	1288887777 or 11988887777
Field 4	Row Type	Numeric of which: 0=Basic, 1=CNG and 2=DDR	0
Field 5	Portability Type	Numeric of which: 0=LSP e 1=LSP	1
Field 6	New SPID - Identification of new provider	N(4)	0121
Field 7	EOT	A(3)	1A2
Field 8	ActivationTimeStamp	YYYYMMDDHHMMSS	20080820120001
Field 9	TimeStamp of load Window Start	YYYYMMDDHHMMSS	20080820120000

tb_portednumbers:
id: autoincrement database primary key
number: original (normalized) called (B) number **country code(55) + TN**
providerpx: new prefix (for example instead of 3630 changed to 3620)
newnumber: the changed number **NEW SPID + number**
newdomain: the new service provider ip or domain
newport: service port (defaults to 5060)
priority: checked for duplicate numbers
datum: record insertion date

Sample: the numer 555584490616 (OI) now is Claro
 New number = 0321555584490616

We sent to you the layout just to mobile telephony. I will produce a documentation to fixed telephony to you.

STEP 2 - DATA IMPORTATION FROM CADUQ

Fixed Telephony

File can be downloaded from the blowing url: <http://sis.temas.anatel.gov.br/sapn/Arquivos/ABR/faixaSTFC.asp?SOSQ=modulo=20556>

Nome da Prestadora;
 CNPJ da Prestadora;
 Código Nacional;
 Prefixo;
 Faixa Inicial;
 Faixa Final;
 Código CNL;
 Nome da Localidade;
 Área Local;
 Código Área Local;

tb_directions:
 id
 type
 name = "Nome da Prestadora" + "Nome da Localidade"
 prefix
 techprefix = SPID + "Código Área local"

The fields "Faixa Inicial" and "Faixa Final" specify the number initial and final respectively of range that is accept by the carrier to the current prefix. For this reason, may be necessary break one register from caduq on several registers in "b_directions". For example to "código nacional" = 51, "prefixo" = 3221, "faixa inicial" = 0 and "faixa final" = 4999 will be necessary create registers in "b_directions" with prefixes 555132210, 555132211, 555132212, 555132213 and 555132214 to support a range. The same strategy can be adopted on file mobile telephony.

Mobile Telephony

File can be downloaded from the blowing url: <http://sis.temas.anatel.gov.br/sapn/Arquivos/ABR/faixaSMP.asp?SOSQ=modulo=18099>

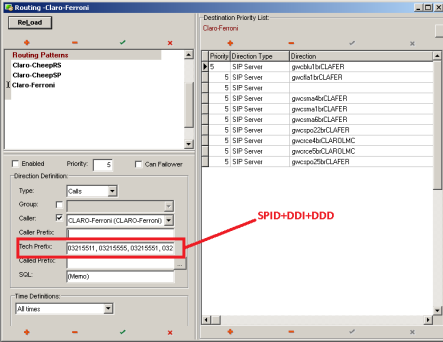
Nome da Prestadora;
 CNPJ da Prestadora;
 Código Nacional;
 Prefixo;
 Faixa Inicial;
 Faixa Final;
 Status

tb_directions:
 id
 type
 name = "Nome da Prestadora"
 prefix
 techprefix = SPID

The techprefix field not exists actually, but if you agree of our suggestion it will be useful to make the process works. My be will necessary create a reference table to store all SPID and carrier name (Nome da prestadora). On importation process you can select the SPID code from carrier name (nome da prestadora) to generate the techprefix.

STEP 3 - ROUTING CONFIGURATION

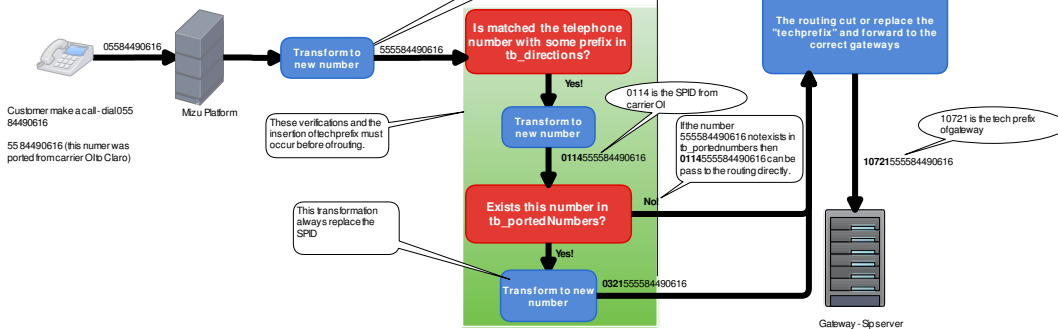
Our team configure all tech prefix on Routings



On this moment the digit "0" must be replace by country code (55). If a international calls the dialed number begins with "00" and must be removed. We observed that exists a rule to make it

STEP 4 - Call Flow

Sample 1 - mobile with portability



Sample 2 - fixed telephony with portability

