Intelligent Add-On

Number Connect – Number Management made easy from Pure IP

Number Connect

Version 4.0, 21st August 2021

Faster. Smarter. More

Pure IP
Just voice.

Number Connect

Number Connect provides businesses with a definitive source for the management of enterprise-wide telephone numbers regardless of the platform used. The service facilitates the consolidation of data from different sources into a single view, accessible via Pure IP's Customer Portal.

SERVICE OVERVIEW

Number Connect harmonises Company and User information sources from the O365 Teams Voice platform, together with Pure IP's carrier voice systems and data uploaded from other platforms or providers.
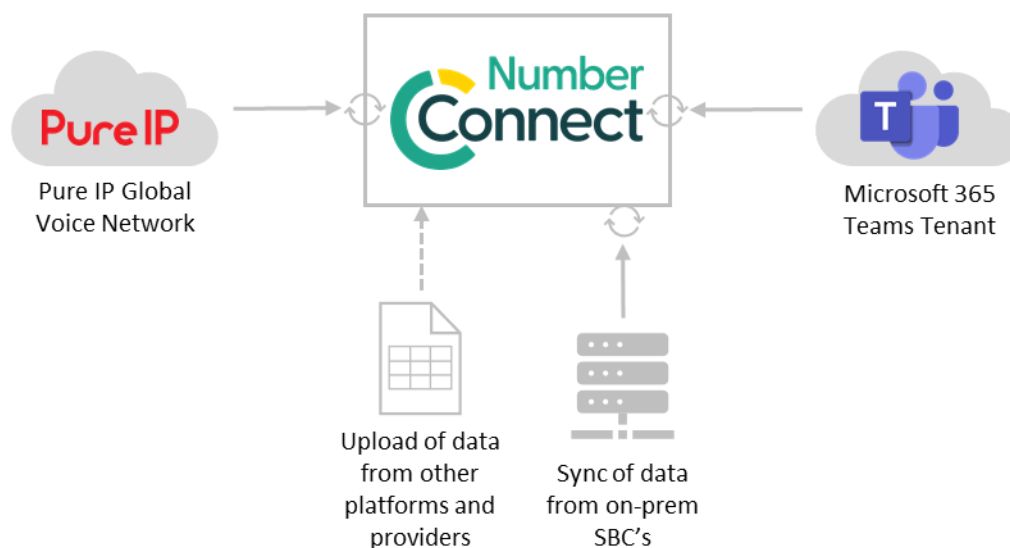

The service displays individual telephone number information across sites, ranges and users providing capacity and allocation management information company wide. It clearly identifes spare numbers and blocks down to specific sites and users, allowing visibility into both existing and future usage potential.

An easy-to-understand dashboard provides a summary of the key information, including:

- Quantity of allocated and unallocated numbers
- Usage and total number of users
- Numbers by country and assignment type
- Number ranges

Number Connect

Overview Dashboard
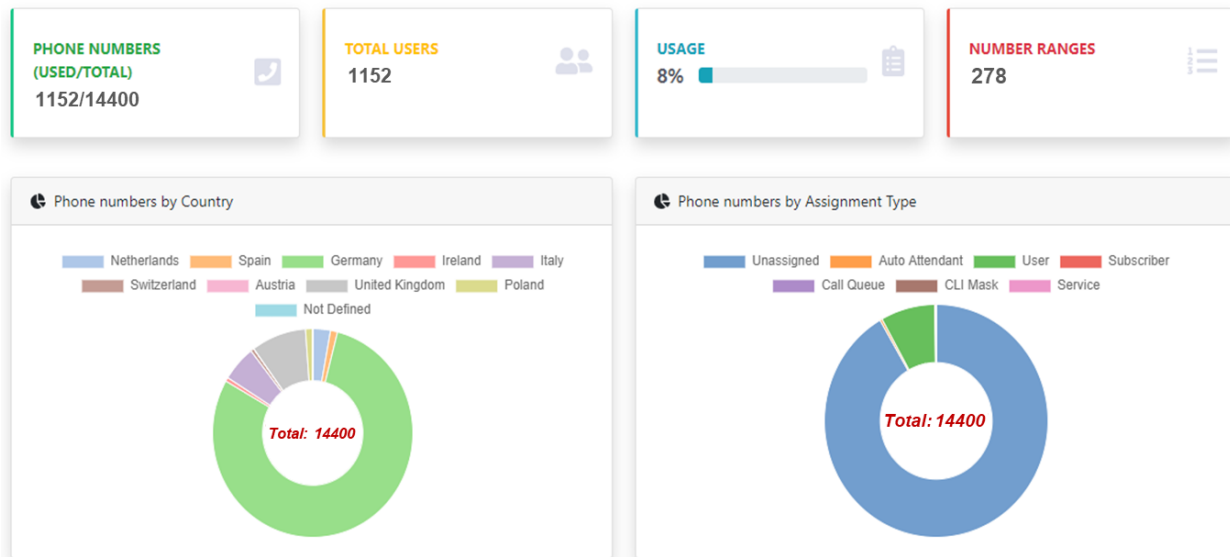
FEATURES

Number Connect provides a number of features to enhance and simplify the number management process.

Feature	Description
Consolidated Company-wide visibility	Automatically synchronises data from your Pure IP and Microsoft Teams services, with the option to upload data from other services to provide a single view of all company-wide numbers for eas of management.
Quick-view dashboard	Instant visibility of allocated and unallocated numbers, allocation by country, usage and assignment type in a single dashboard.
Multi-option filtering	Filter data by multiple criteria including region, country, site, number, user, provider, platform, range, assignment and number type.

Detailed information	Provides detailed information at a user and number level, including policy and call plan information, license, SIP address and other settings.
In-application management	Manage the allocation of numbers and 'follow me' details directly within the application
CDR interrogation*	Quick link to CDR records for detailed interrogation and analysis.
Flexible access control	The ability for the administrator to grant access permissions on a regional or site level without losing overall control.

NB. For Pure IP supplied services only

Extensive Data Filtering Capabilities

Number Connect / Phone Numbers

Filters

Region	--- Select ---	Platform/Devices	--- Select ---
Country	--- Select ---	Number Type	--- Select ---
Site	--- Select ---	Assignment Type	--- Select ---
Phone Number	--- Select ---	Provider	--- Select ---
User Profile	--- Select ---	Number Profile	--- Select ---
User Status	--- Select ---	Number Range	--- Select ---
Voice Status	--- Select ---	SBC Device	--- Select ---

🔍 Search   ↻ Reset

Detailed Single View Visibility

Account Management

Customer Details

Main Billing Account	123456789	Billing Account Reference	PureIP Demo Reference
Circuit Type	SIP	No. of Channels	8
Provider Connectivity	SIP Private Connection	Provider Connectivity Device	

Contact Address
Pure IP Office

Street No./Unit No.	Unit G2	Street Name	Auckland
Suburb	Rosedale	City	Auckland
State	Auckland	Zip/Post Code	0632
Country	New Zealand		

Number Connect

Detailed User Management

User Detail

Field	Imported Value
User Principal Name	non.bibendum.sed@semperNamtempor.ca
Display Name	Adam Velez
First Name	Nichole
Last Name	Reeves
Manual Phone	+14158####55
Account Enabled	True
Profile	
Caller Id Policy	
Calling Line Identity	
Dial Plan	
Hosted Voice Mail	True
Hosted Voicemail Policy	
Online Voice Routing Policy	
Teams Calling Policy	
Teams Call Park Policy	
Teams Upgrade Policy	
Tenant Dial Plan	
City	San Francisco
Company	Microsoft
Department	Sales and Marketing
Description	
Enterprise Voice Enabled	True
Hosting Provider	sipfed.online.lync.com
License	ENTERPRISEPACK MCOEV ADALLOM_STANDALONE EMS
Line URI	tel:+14158####55
Office	San Francisco
Online Enabled	True
On Premisis Enterprise Voice Enabled	False
On Premisis Line URI	tel:+14158####55
SIP Address	sip:non.bibendum.sed@semperNamtempor.ca
Teams Upgrade Effective Mode	
Teams Upgrade Notifications Enabled	False
Teams Voice Route	False
Telephone Number	tel:+14158####55
Usage Location	US
Voice Policy	

Data Uploads

1) Data uploads for other vendor numbers

2) Data uploads for SBC devices

3) Data upload log

BENEFITS

♦ Simplifies and accelerates the management of enterprise-wide phone numbers.
♦ Save time, effort and cost by eliminating manual management process.
♦ Provides quick visibility of allocated and unallocated numbers.
♦ Reduces the need for offline spreadsheets to manage data.
♦ Consolidates data from different sources into a single location.

NUMBER CONNECT AND MICROSOFT TEAMS

Numbers in the Microsoft Teams tenant can be directly synchronised with Number Connect, making it an ideal solution for organisations utilising Calling Plans or Operator Connect for some of their numbers, providing them with a single location to manage all their numbers.

The numbers are synchronised regularly to ensure the data remains current and up-to-date.

ENABLING TEAMS SYNCHRONISATION

The Number Connect service leverages two mechanisms to access current information within the O365 tenant. Both mechanisms are performing read only access.

1) A Microsoft defined O365 secure identity service called B2C. Further information on that service can be found here.

   During setup of the Number Connect Service, the defined customer O365 admin is required to authenticate and approve the Number Connect service connecting into the company O365 tenant.

   B2C allows the customer to approve Read only access into the O365 tenant, with the following access:

   - Read Users profiles **-** Allows the Number Connect to read user profiles without a signed in user.
   - Read Organisation Information **-** Allows Number Connect to read the organization and related resources, without a signed-in user.

2) Microsoft PowerShell access limited to these SFB/Teams Roles:

   - Teams Communication Administrator
   - Skype for Business Administrator

   During the setup, the customer is required to provide a user account with the above admin roles in O365 without Multi Factor Authentication enabled. Conditional Access can be applied to the account

TEAMS DATA STORAGE

The Number Connect service stores the following information read from O365:

- User First Name, Last Name, User Principal Name, User SIP Address & O365 Usage Location
- User Telephone Number assigned
- User Office, Location & Department (Region, Country, Office/Site)
- O365 Voice policies assigned
- O365 License assigned
- Platform (e.g. Teams/SFB)
- Provider (e.g. Microsoft or Pure IP)
- Pure IP Trunk
- Emergency Address listed against the Telephone Number
- Carrier Call Forwards in place against the number

INFORMATION SECURITY

All customer data is stored securely within the Pure IP private network and subject to authorisation and authentication control. The Number Connect Service operates within the strict control and security framework of the wider Pure IP Customer Portal, which includes storage, access, purging, access control/requests and compliance such as GDPR and ISO 27001.

Customer information will be stored in a secure data centre, application and database in the region where the customer is based.

Customer Access

The Number Connect Service will be accessible only to specifically named representatives (identified by the Number Connect working group) within the customers business who already have secure and authenticated per user logins to the Pure IP Customer Portal. Access is provided via Customer Portal as a selectable option on the navigation bar. The primary Customer Administrator has control over assigning permissions and access rights.

The service does not provide the ability for the customer to export the provided data. Any requests for exportable data/reports or data removal should be made to the Pure IP Account Manager.

Customer representatives supplied with the appropriate access, will be able to see company wide data covering all sites and voice services combined from O365, the Pure IP Carrier systems and any additional uploaded data.