

# Intelligent Add-On

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Number Connect – Number Management made easy from Pure IP



Version 4.0, 21<sup>st</sup> August 2021

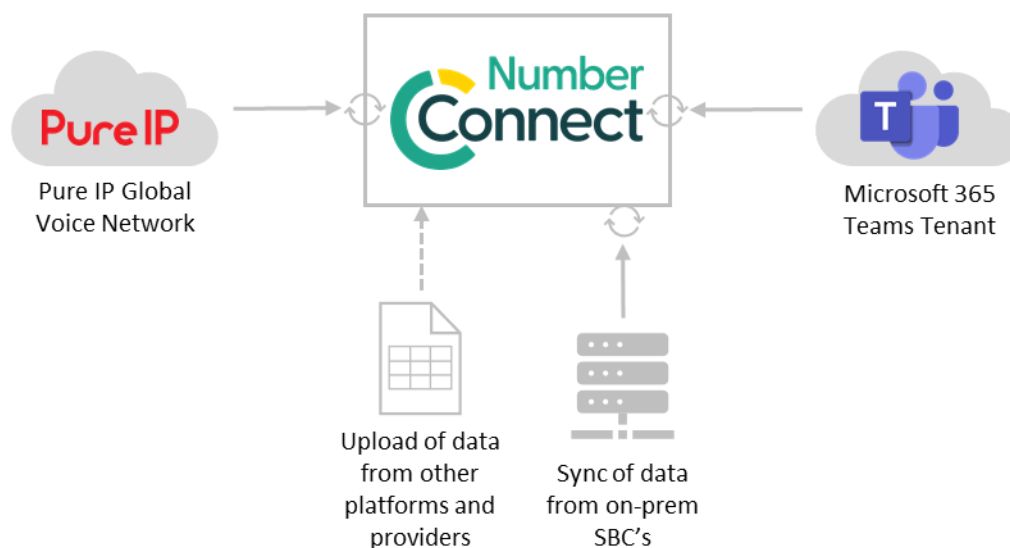
Faster. Smarter. More

**Pure IP**  
Just voice.

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.

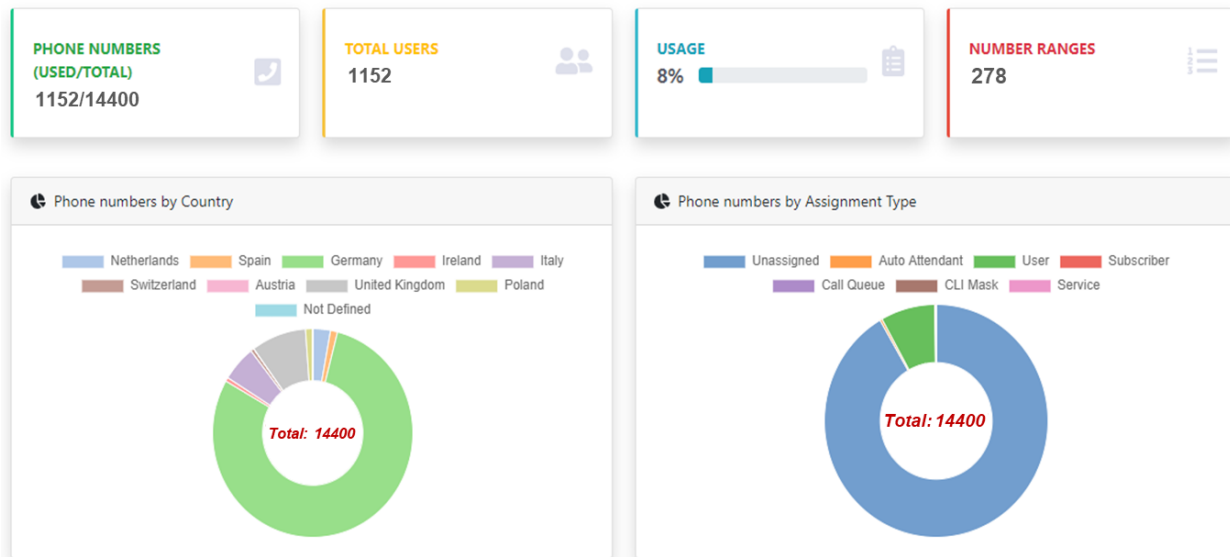


The service displays individual telephone number information across sites, ranges and users providing capacity and allocation management information company wide. It clearly identifies spare numbers and blocks down to specific sites and users, allowing visibility into both existing and future usage potential.

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

## 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 ease 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 ---

## Detailed Single View Visibility

Full Number	User Profile	Number Type	Assignment Type	Provider	Site	Platform	CDRs	Emergency Address	Carrier Call Forward	Sbc Device	Notes
tel:+14153####27	Kadeem-Rosales	Teams Direct Routing	User (Disabled)	Pure IP	San Francisco	Teams	CDRs	..., United States			
tel:+14155####99	Seth Park	Teams Direct Routing	User (Disabled)	Pure IP	San Francisco	Teams	CDRs	388 Market St., San Francisco, CA - 94111, United States			
tel:+14157####14		Teams Direct Routing	User	Pure IP	San Francisco	Teams	CDRs	..., United States			
tel:+14158####47	Donovan Powers	Teams Direct Routing	User (Disabled)	Pure IP	San Francisco	Teams	CDRs	..., United States			
tel:+14158####93	Adam Velez	Teams Direct Routing	User	Pure IP	San Francisco	Teams	CDRs	388 Market St., San Francisco, CA - 94111, United States			
tel:+16282####24	Russell Miller	Teams Direct Routing	User	Pure IP	San Francisco	Teams	CDRs	388 Market St., San Francisco, CA - 94111, United States			
tel:+16282####25	Devlin Reid	Teams Direct Routing	User (Disabled)	Pure IP	San Francisco	Teams	CDRs	388 Market St., San Francisco, CA - 94111, United States			
tel:+16499852937	MiriamG@pureipdev.onmicrosoft.com	SBC Direct Routing	SBC	T-mobile	San Diego	Non-Teams	CDRs			SBC0002	
tel:+16499852938	NestorW@pureipdev.onmicrosoft.com	SBC Direct Routing	SBC	T-mobile	Seattle	Non-Teams	CDRs			SBC0002	
tel:+16499852939	PartF1@pureipdev.onmicrosoft.com	SBC Direct Routing	SBC (Disabled)	T-mobile	Louisville	Non-Teams	CDRs			SBC0002	
tel:+16499852940	PradeepG1@pureipdev.onmicrosoft.com	SBC Direct Routing	SBC	T-mobile	Cairo	Non-Teams	CDRs			SBC0002	
tel:+3227840000	Aonora.Langley@magna.edu	Local/Toll	User	Three	Brussels	Non-Teams	CDRs	..., Belgium		SBC0002	
tel:+441412507246	oro1f@opus.com	Local/Toll	User	Three	Glasgow	Non-Teams	CDRs	..., United Kingdom		SBC0002	
tel:+442052005106	nulla1@mec.com	Local/Toll	User	Three	London	Non-Teams	CDRs	..., United Kingdom		SBC0002	
tel:+6498872100	miadictum.augue@lorem1.ca	Direct Routing	User (Disabled)	Spark	AUK_AU	Non-Teams	CDRs			SBC0002	
tel:+6498872102	Lorem-ipsam.dolor@integer1.ed	Direct Routing	User	Spark	AUK_AU	Non-Teams	CDRs			SBC0002	
tel:+6498872103	magna.sed@adipora1.com	Direct Routing	User	Spark	AUK_AU	Non-Teams	CDRs			SBC0002	

## Account Management

+ Add Address
| Update Details

Main Billing Account:

Circuit Type:

Provider Connectivity:

Billing Account Reference:

No. of Channels:

Provider Connectivity Device:

Delete

**Contact Address**  
Pure IP Office

Street No./Unit No.:  Street Name:

Suburb:  City:

State:  Zip/Post Code:

Country:

## Detailed User Management

Number Connect / Phone Numbers / User Details

### 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	<input type="checkbox"/> 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	<input type="checkbox"/> True
Hosting Provider	sipfed.online.lync.com
License	ENTERPRISEPACK MCOEV ADALLOM_STANDALONE EMS
Line URI	tel:+14158###55
Office	San Francisco
Online Enabled	<input type="checkbox"/> True
On Premis Enterprise Voice Enabled	<input type="checkbox"/> False
On Premis Line URI	tel:+14158###55
SIP Address	sip:non.bibendum.sed@semperNamtempor.ca
Teams Upgrade Effective Mode	
Teams Upgrade Notifications Enabled	<input type="checkbox"/> False
Teams Voice Route	<input type="checkbox"/> False
Telephone Number	tel:+14158###55
Usage Location	US
Voice Policy	

## Data Uploads

### 1) Data uploads for other vendor numbers

Number Connect / Vendors

[+ Upload Vendor Phone Numbers](#)
[Vendor Number Csv Template](#)
[Add/Link Vendor](#)

Vendor	Contact	Country	Verified
Verizon	Admin	United States	True
ATT	Arpit Gandhi	United States	True
Windstream		United States	True

Showing 1-3 out of 3

### 2) Data uploads for SBC devices

Number Connect / Customer SBCs - Pure IP Office UK

[SBC User Number Csv Template](#)
[+ Upload Sbc Phone Numbers](#)

Device Id	Site	Manufacturer	Sku	Description	PureIP Product
SBC0002		Ribbon	SBC-1K-R-2P-FXFXO-GW	Ribbon SBC 1000	SBCas5
SBC0004		Ribbon	SBC-1K-R-2P-AVSPXO-GW	Ribbon SBC 1000	SBCas5

Showing 1-2 out of 2

### 3) Data upload log

Number Connect / Customer Files - Pure IP Office UK

Customer Files - Pure IP Office UK

Name	File Type	Created On	
VendorUserNumber_29062021_1418	csv	6/29/2021 9:18:04 PM	Delete
SiteUserNumber_SBC0002_29062021_1216	csv	6/29/2021 7:16:32 PM	Delete
VendorNumberProcessingLog_29062021_1418	txt	6/29/2021 2:18:04 PM	Delete
SiteProcessingLog_SBC0002_29062021_1216	txt	6/29/2021 12:16:32 PM	Delete
VendorUserNumber_25062021_1801	csv	6/26/2021 1:01:11 AM	Delete
VendorNumberProcessingLog_25062021_1801	txt	6/25/2021 6:01:11 PM	Delete

Showing 1-6 out of 6

## 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.