# 4.5.12. How to Import Data from SAP B1

In this article we describe:

- imported data and
- data import workflow.

## **Imported data**

This connector utilizes several predefined SQL-queries which you can customize to your needs. The data, imported into Streamline, is described in the Inventory Management Systems article.

## **Data Import Workflow**

To create a new Streamline project based on SAP B1 data:

1. Go to the menu **File** > **New** > **SAP B1 connection**. The **SAP B1 connection** dialog appears (see figure below).

SAP B1 connection						×
Server						]
Database						]
Username						]
Password						]
Starting date	1/1/2000	~	Group by	Month	~	
Edit SQL queries			OK	Save	Cancel	]

2. Enter the name of the server running the SQL Server with SAP B1 databases.

If you connect locally (Streamline is opened on the same computer where the SQL Server is installed), type localhost in this field.

If you connect remotely, enter IP address (or LAN name of the computer running the SQL Server) and SQL Server TCP Dynamic Port like <IP>, <port>, for example, 108.71.167.47, 1434. To connect remotely, you should enable remote connections to the SQL Server and configure SQL Server TCP/IP ports properly.

3. Enter the name of the SAP B1 database into the **Database** field. To figure out this name, do the following:

3.1. Connect to your SAP B1 SLD service by URL like

https://<sap-server-name>:4000/ControlCenter/

where **<sap-server-name>** is the LAN name of the machine runnning SAP B1 Server component, for example, https://andrew-pc:40000/ControlCenter/.

3.2. Enter your login and password specified during SAP B1 installation (see figure below).

andrew-pc:40000/ControlCenter/	\$
SAP Business System	n Landscape Directory
	User Name B1SiteUser Password ••••• Forgot password? Log On Copyright @ 2021 SAP SE. All rights reserved.

3.3. Select the server, you are connecting to, in the first table. Now it shows you all the available SAP B1 databases on this server in the table below. Pick the database name from the **Schema Name** column of your company database. This is what we are looking for (see figure below).

SA	System Landscap	e Directory								SLD Version: 100	00141	Welcome, B1SiteU	ser	Help (
DB	Instances and Compar	nies Logical Machir	nes Co	mponents	Services S	Security	External Mapping	Global Settin	igs					
DB	DB Instances (1)													
	Add Delete Edit Back Up Delete Older Backups Show Backup Log													
	Server Name         Server Type         Version         System DB Status         Database Authentication         Backup Path													
	ANDREW-PC MSSQL2014 1000141 Online Database Authentication													
	Server													
Co	mpanies (1)													\$
	Edit Export S config Mailer Refres	chema Schedule sh Database User	Export	Import Scl	nema Sho	w Export I	Log Deploy	/ Upgrade	PreUpgr			Unlock Config A	ert	
	Company Name	Schema Name	Version	Localization	Database Us	ser Status	Export/Import Status	Last Export/Im port	Last Successf ul Export	Export Schedu le	Log	Company Status	Alert	Mailer
	OEC Computers	SBODemoUS	1000141	us	B1_53424F4 56D6F5553_ W	46 R	No Backup Ser ice Registered		-	Not Scheduled		Unlocked	Off	Off
		Database												

4. Enter credentials of a SQL Server account having rights to read data from your database into the **Username** and **Password** fields. You can learn how to create such an account from this acricle.

5. Enter or choose the date to start the import from in the **Starting date** control.

To get accurate forecasts, we recommend providing Streamline with at least 24 months of sales history.

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6. Choose the data aggregation period in the **Group by** control. Streamline automatically aggregates your data in the given periods (days, weeks, or months). For example, if you want to see the forecasts, replenishment plans, and other reports in months, group the data by month.

7. Click **OK** to start the import.

#### **Import options**

The **Edit SQL queries** opens the Database connection dialog where you can customize default SQLqueries to meet your requirements.

### **Configuring SQL Server TCP Ports for Remote Connect**

In order to Streamline and SLD service connect to SAP B1 SQL Server without any issues, we should set the SQL Server TCP ports properly. To do this:

1. Go to Windows applications search, type in 'mmc' and hit **Enter** (see figure below).

All	Apps	Documents	Settings	Photos	Email	More 🔻 .	
Best m	hatch						
	<b>mmc</b> Run comi	mand					
						mmc	
						Run command	
					ď	Open	
					5	Run as administrator	
					D	Open file location	
0							
Рm	nmc						

2. Go to menu **File > Add/Remove Snap In...**, select **SQL Server Configuration Manager** in the list on the left and click **Add** button. Then click **OK**. (see figure below).

nap-in	Vendor	^		Console Root		Edit Extensions	
Performance Monitor	Microsoft C	Ce		"18 SQL Serve	r Configuration Mana	Remove	
Print Management	Microsoft (	Cc				<u>re</u> cine / c	
Remote Desktop Gateway							
Resultant Set of Policy Security Configuration an	Microsoft (					Move Up	
						Move Down	
Security Templates	Microsoft (	-	<u>A</u> dd >			Hove <u>b</u> own	
Services	Microsoft (		b				
Shared Folders	Microsoft C						
SQL Server Configuration							
Task Scheduler	Microsoft (						
TPM Management	Microsoft (						
Web Services Exception M	. Microsoft (	<u> </u>					
	>	F .		<	>	Ad <u>v</u> anced	

3. Expand the root node down to **Protocols for MSSQLSERVER** as shown in the figure below. Select it, then, right-click on the **TCP/IP** item in the list on the right, and select the **Properties** command from the context menu. Then, go to the **IP Addresses** tab of the dialog, and scroll it all the way down to the **IP All** section (see figure below).

**MSSQLSERVER** is a default name for SQL Server instance; it will differ in case you gave another custom name when was installing SQL Server.

Console Root SQL Server Configuration Manager (Local) SQL Server Services SQL Server Network Configuration (32bit) SQL Native Client 11.0 Configuration (32bit) SQL Server Network Configuration	General Memory	Status Enabled Disabled 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
■ Protocols for MSSQLSERVER > ● SQL Native Client 11.0 Configuration	Protocol IP Address	
	TCP Dynamic Por TCP Port	Ves
	Enabled IP Address TCP Dynamic Por	No 2001:0:9d38:90d7:386b:1247:3f57 orts
	TCP Port	1433 Yes
	Enabled IP Address TCP Dynamic Por	No fe80::386b:1247:3f57:a707%11 orts
	TCP Port	1433 orts
	TCP Port Active	1433
	Indicates whether t	r the selected IP Address is active.
		OK Cancel Apply Help

4. Set **TCP Dymnamic Ports** field to any free port, for example, **1434**. This port will be used by Streamline to connect to the SAP B1 database (see figure below). **TCP Port** is used by SAP B1 SLD service to connect to SQL Server.

TCP/	(IP Properties				?	$\times$
Pro	tocol IP Addresses					
	TCP Dynamic Ports					^
	TCP Port		1433			
	IP6					
	Active		Yes			
	Enabled		No			
	IP Address		2001:0:9	d38:90d7:386	0:1247:3f5	7
	TCP Dynamic Ports					
	TCP Port		1433			
	IP7					
	Active		Yes			
	Enabled		No			
	IP Address		fe80::38	6b:1247:3f57:a	707%11	
	TCP Dynamic Ports					
	TCP Port		1433			
Ξ	IPAII					
	TCP Dynamic Ports		1434			
	TCP Port		1433			
	<b>P Dynamic Ports</b> ank, if dynamic ports are i	not enat	oled. To u	use dynamic po	orts, set to	0.
	ОК	Ca	ncel	Apply	Hel	p

5. If **TCP/IP** Status is **Disabled**, right-click on the item, and select **Enable** command (see figure below).

Protocol Name	Status	
G Shared Memory	Enabled	
🕯 Named Pipes	Disabled	
TCP/IP	Disabled	Enable
		Disable
		Properties
		Help

6. After that, select **SQL Server Services** node on the left, then, righ-click on the **SQL Server** (MSSQLSERVER) service on the right, and select **Restart** from the context menu (see figure below).

Console Root	Name	State		Start Mode
<ul> <li>SQL Server Configuration Manager (Local)</li> <li>SQL Server Services</li> <li>SQL Server Network Configuration (32bit)</li> <li>SQL Native Client 11.0 Configuration (32bit)</li> <li>SQL Server Network Configuration</li> <li>SQL Server Network Configuration</li> <li>Protocols for MSSQLSERVER</li> <li>SQL Native Client 11.0 Configuration</li> </ul>	SQL Server (MSSQLSERVER) SQL Server Browser SQL Server Agent (MSSQLSERVER)	Runnie Stopp Stopp	Start Stop Pause Resume Restart Propertie Help	25

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