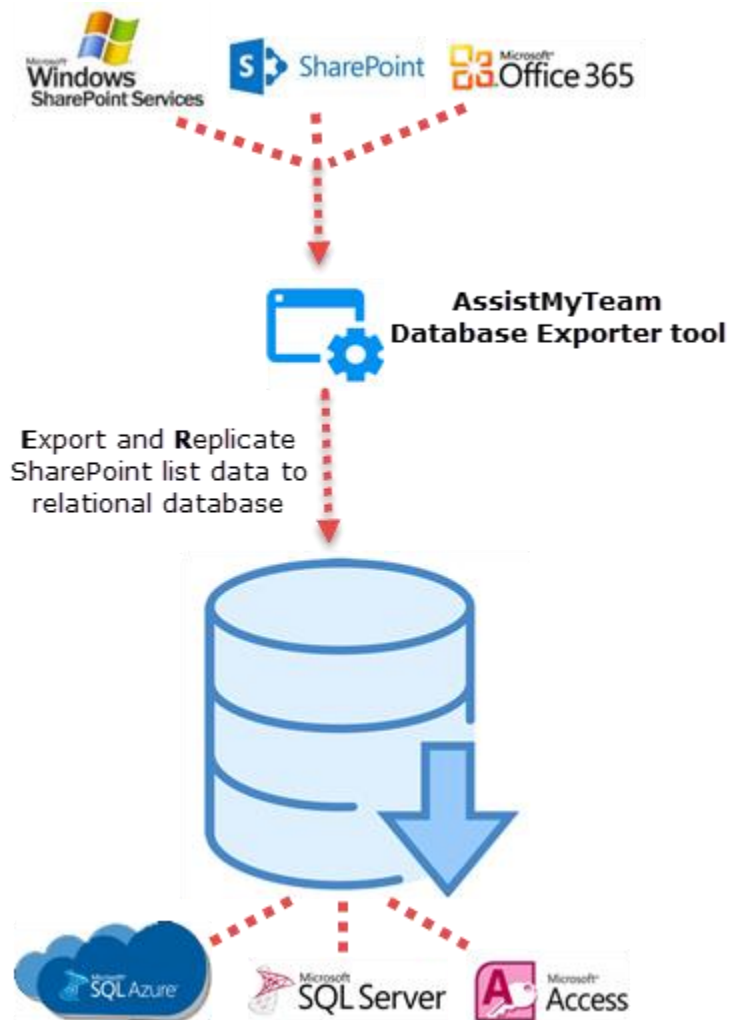




## Welcome to Database Exporter for SharePoint

An application for Windows that makes it very easy and effortless to export and replicate SharePoint list data to a Microsoft database format such as SQL Server, Azure or Access for reporting or archival purpose.



### Purpose of this tool

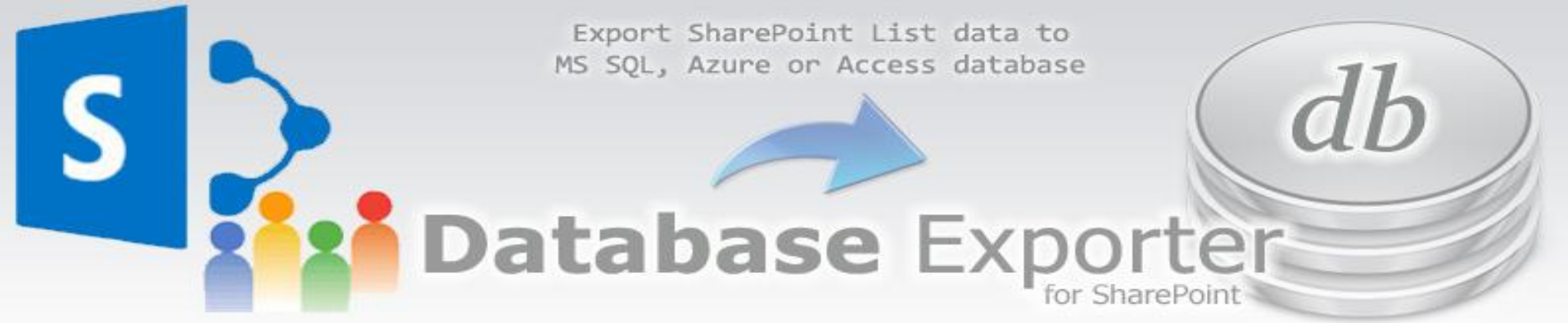
SharePoint has become the de-facto sharing platform for teams in organizations; storing business and transactional data on lists, document libraries etc. But unlike the ease of reporting and running statistics on relational database, SharePoint on its own does not provide such flexibility when it comes to querying and building reports. Due to this limitation, often, managers might find themselves spending a lot of time and resource in exporting data to spreadsheet and performing manual computation and parsing. Some organizations even use specialized data professionals and a dozen different software packages, just to produce simple reports. Worst, if the report doesn't have the required information, you will have to start over, wasting precious time.

As there is a time and expense involved in getting answers from SharePoint lists, a lot of business intelligence information often goes unused, due to that fact that, SharePoint is designed to store data, and not to help you analyze it. It is with this requirement in mind, that we have designed Database Exporter for SharePoint, to give you a simple and yet powerful tool to let you replicate your SharePoint list data to a relational database for archival or reporting purpose.



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## 1. Introduction

**Database Exporter** for SharePoint enables you to export the contents of a SharePoint list to an external Microsoft database such as Access, SQL Server or Azure. You can selectively specify which fields to include in the export, and the appropriate data type will be inherited in the relational database.

1 Enter the SharePoint URL

2 Choose a SharePoint list

3 Select those fields of interest to be included in the export

4 Export to a relational database

Field Name	Data Type	Include in Database
1 Additional Cost	Currency	<input checked="" type="checkbox"/>
2 Assigned To	User	<input checked="" type="checkbox"/>
3 AssociatedUsers	Note	<input checked="" type="checkbox"/>
4 Attachments	Attachments	<input checked="" type="checkbox"/>
5 Attempted	Number	<input checked="" type="checkbox"/>
6 BankDOB	DateTime	<input checked="" type="checkbox"/>
7 BankHQ	Boolean	<input checked="" type="checkbox"/>
8 BankID	Number	<input checked="" type="checkbox"/>
9 BankInfo		<input checked="" type="checkbox"/>
10 BankName		<input checked="" type="checkbox"/>
BankPrice		<input checked="" type="checkbox"/>
fo		<input checked="" type="checkbox"/>
ress		<input checked="" type="checkbox"/>
pany		<input checked="" type="checkbox"/>

A snapshot of replicated tables and their corresponding data in MS SQL Server from the SharePoint lists.

	Additional_x0020_Cost	AssignedTo	Category	Attachments	V3Comments
1	0.00	Francas Freedi	Software	1	<html><head><title><
2	0.00	NULL	Hardware	0	<html><head><title><
3	0.00	Francas Freedi	Hardware	0	<div class="ExternalC
4	0.00	Rehana Rahman	Software	0	NULL
5	0.00	Monica Lewis	Software	0	NULL
6	0.00	Francas Freedi	Hardware	0	NULL
7	0.00	Francas Freedi	Software	0	NULL
8	0.00	Rehana Rahman	Hardware	0	NULL
9	25.00	Rehana Rahman	Hardware	0	NULL
10	34.00	Francas Freedi	NULL	0	NULL
11	0.00	Francas Freedi	Software	0	<div class="ExternalC
12	0.00	Francas Freedi	Software	0	<div class="ExternalC
13	0.00	NULL	NULL	0	<div class="ExternalC
14	0.00	Bahrur Rahman	Hardware	0	<div class="ExternalC
15	0.00	Bahrur Rahman	Hardware	0	<div class="ExternalC
16	0.00	Bahrur Rahman	Hardware	0	<div class="ExternalC
17	0.00	Bahrur Rahman	Software	0	<div class="ExternalC



## 2. Requirements

To work with Database Exporter for SharePoint, you would require the followings

**Operating Systems** - Windows 10, 8, 7, Vista and Windows 2008 or higher.

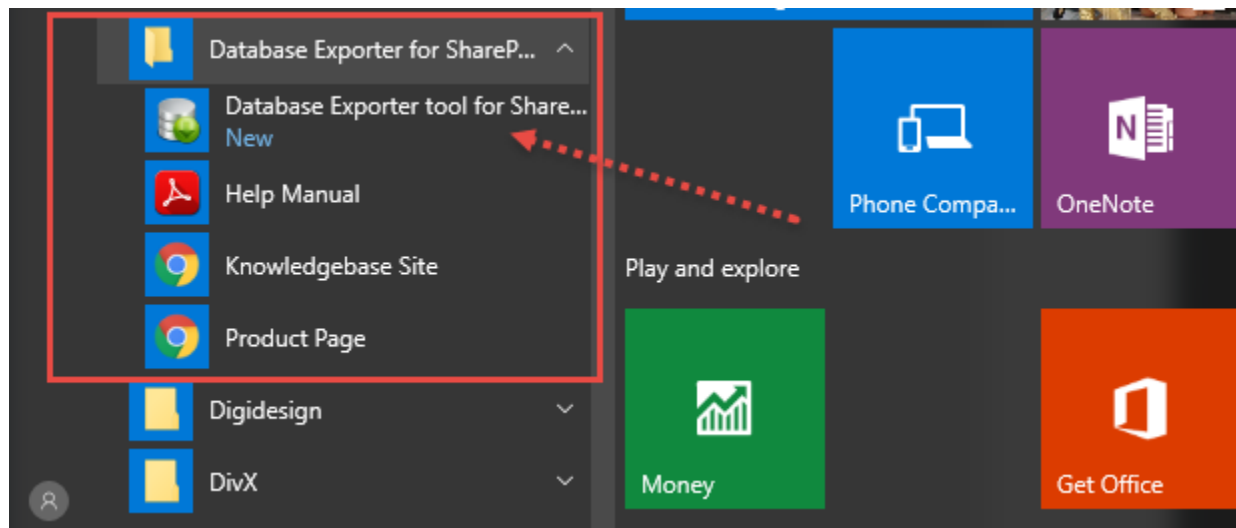
**SharePoint** – SharePoint 2010 or Higher. Cloud-based SharePoint such as Office 365 are also supported.

**Database** – Microsoft Access, Microsoft SQL Server including Express edition, and Azure SQL.

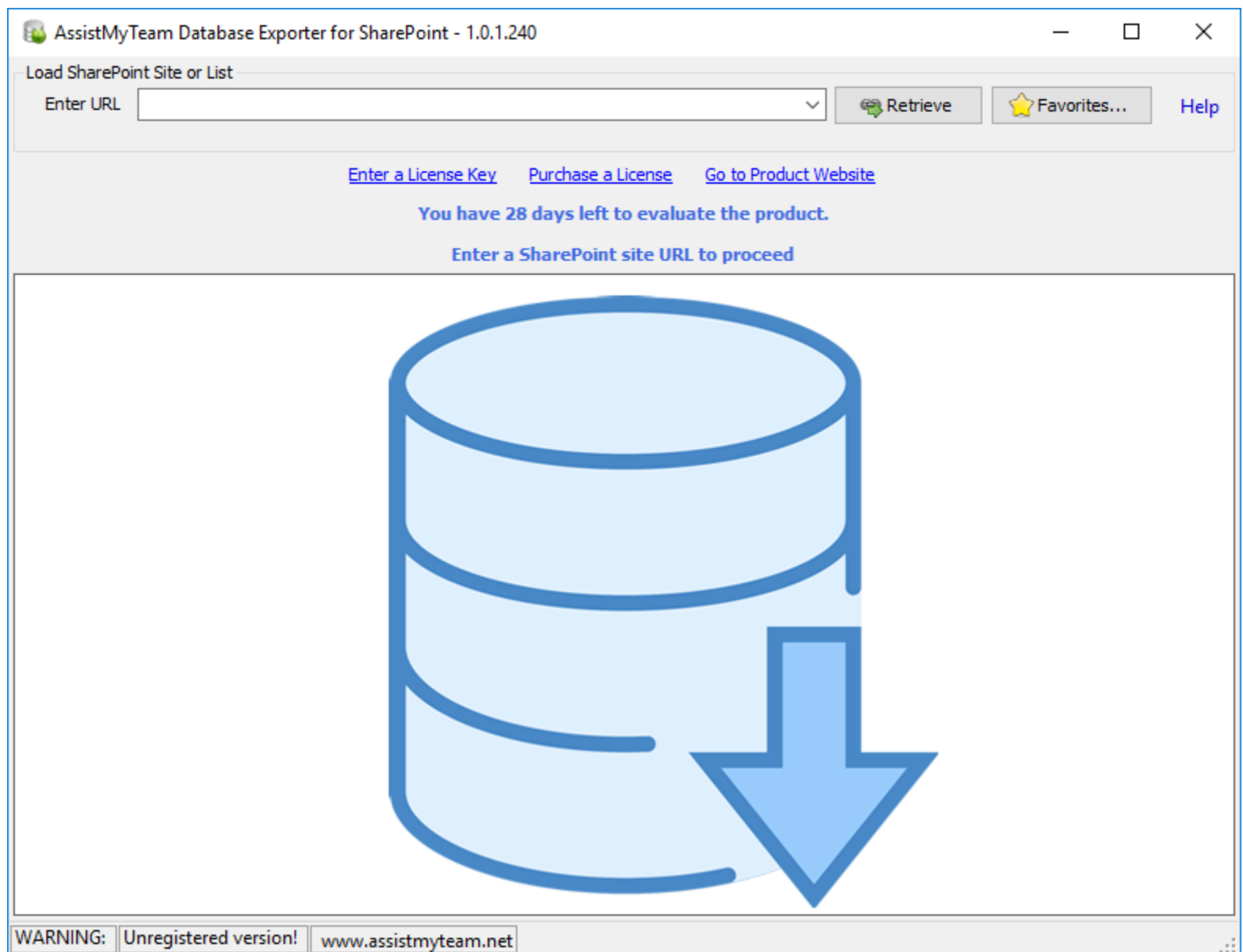


### 3. Connecting to SharePoint

Start the Database Exporter tool for SharePoint app from *Start > All Programs > Database Exporter for SharePoint*.



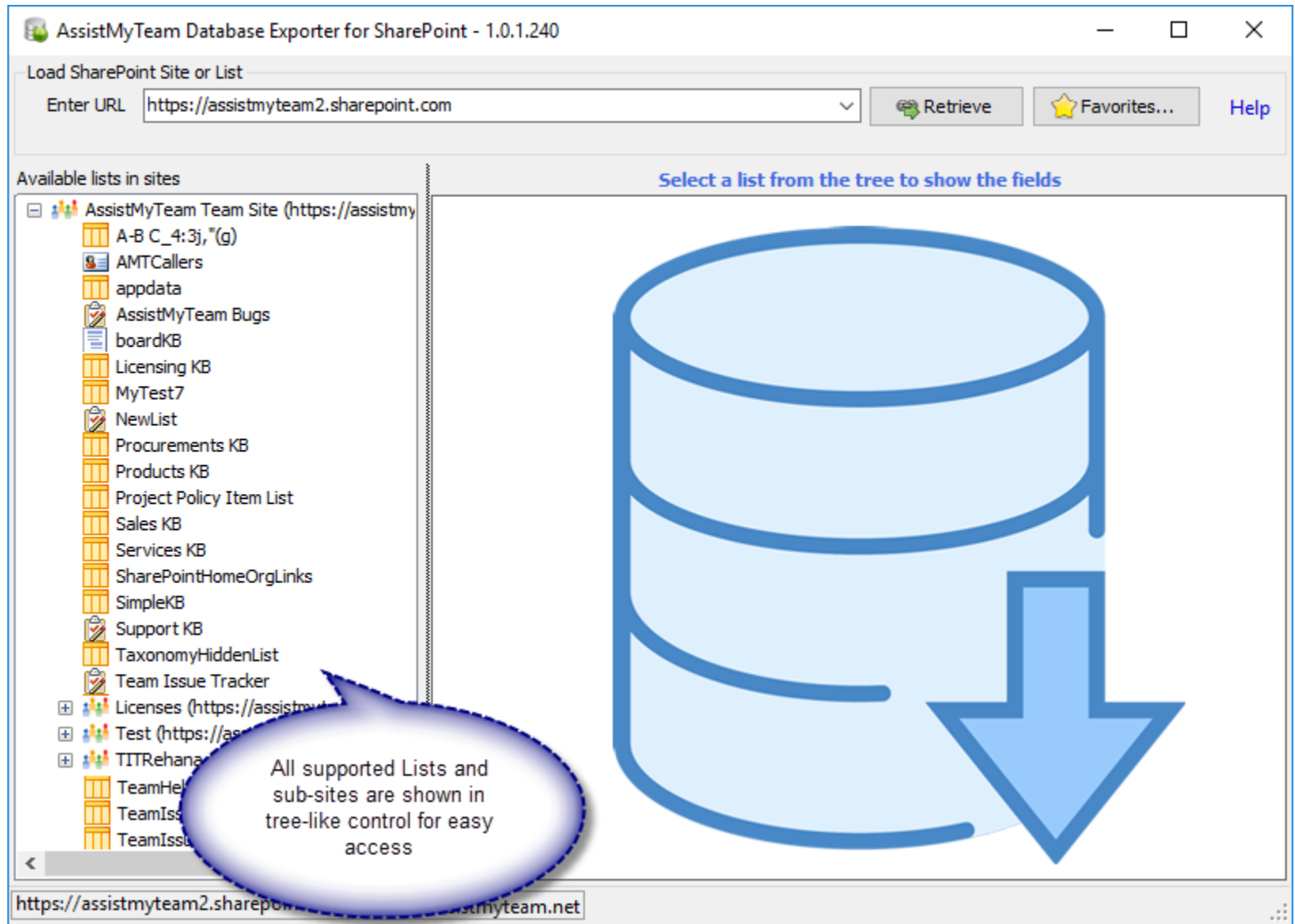
Below is the database export manager panel. The first step is to enter the SharePoint site URL e.g., <https://mycompany.sharepoint.com> (if it is an Office 365 SharePoint site) or <https://mycompany/> (if it is an on-premise SharePoint) and click 'Retrieve'. You can also enter the SharePoint list URL directly and the app will load that list ready for database export. E.g., <https://mycompany.sharepoint.com/Lists/NewList/AllItems.aspx> where 'NewList' is the name of the SharePoint list.



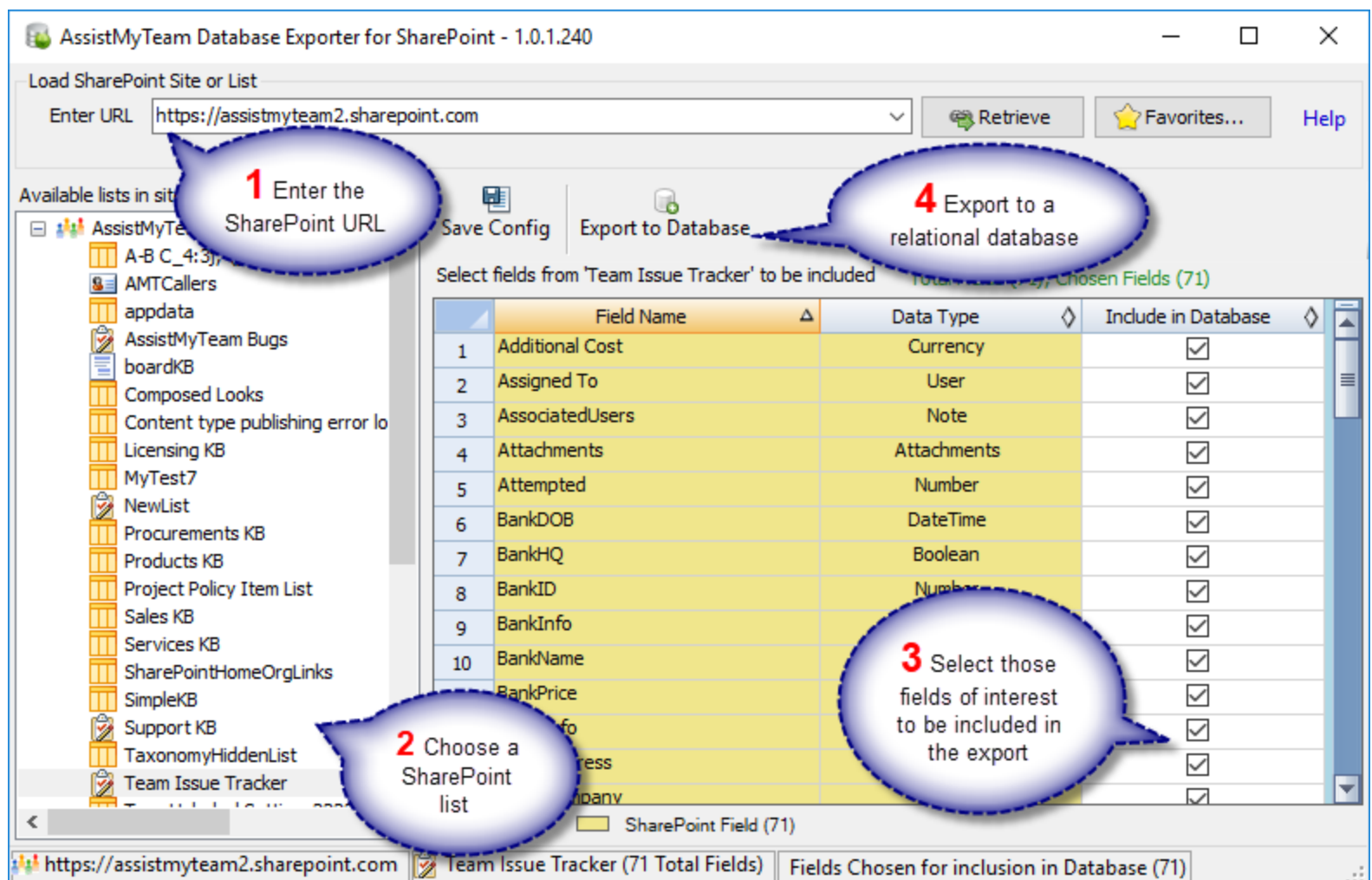
You can also choose a SharePoint site from the drop-down that you already had loaded with this app from previous sessions. Alternatively, click the 'Favorites' button to show all the SharePoint lists from which you had exported to relational database from previous sessions. And from the favorite popup dialog, you can choose the particular SharePoint list to load for export.



This will load all the supported lists of that site as well as any subsites in a tree-view structure as seen on the left portion.



From the tree control, click the particular SharePoint list, to show all the fields of that list on the right portion in a grid.





### Login prompt dialog to SharePoint site

If the SharePoint site uses the NTLM or windows authentication, the app will use the default credential to connect to the SharePoint. However, for form based or claimed based authentication (for example, Office 365 SharePoint online), it may prompt you (and other users) to enter their credential.

Connect to 'assistmyteam2.sharepoint.com'.

Login  
Login

<u>SharePoint Site URL</u>	<a href="https://assistmyteam2.sharepoint.com/">https://assistmyteam2.sharepoint.com/</a>	
User Name:	<input type="text" value="francas@assistmyteam.com"/>	
Password:	<input type="password" value="*****"/>	
	<a href="#">Use 'App Password' for Multi-Factor Authentication (MFA) account</a>	
Domain:	<input type="text"/>	Optional
Authentication Mode:	<input type="text" value="Office 365"/>	
ADFS Server:	<input type="text"/>	Optional
	<i>e.g., sts.company.com</i>	
Uniform Resource Name (URN) of your SharePoint	urn : <input type="text"/> : <input type="text"/>	Optional
	<i>e.g., urn:sharepoint:portal</i>	
	<a href="#">Know more on AD FS &amp; URN parameters</a>	
	<input checked="" type="checkbox"/> Remember	
	<input type="button" value="OK"/>	<input type="button" value="Cancel"/>

You can also specify the authentication mode that is used by your SharePoint to allow connection to it. For instance, if your SharePoint is configured for Windows authentication, choose '**NTLM**'. If your SharePoint site is secured with ADFS, you can also specify the STS site URL under the ADFS server to get the authorization token.

Check '**Remember**' so that the app can use the same credential to logon to the SharePoint site in subsequent connection.

If the site uses a form-based authentication, then choose '**Forms**' whereas if it uses a claimed based authentication (for Office 365 SharePoint Online), choose '**Office 365**'.

**NOTE FOR OFFICE 365:** If your SharePoint admin has set up 2-step verification or multi-factor authentication (MFA) on your Office 365 account, and you are trying to connect the app to your SharePoint Online site, you may get the following error message in the login dialog box of the add-in if you use your Office 365 account password.

The Sign-in name or password does not match one in the Microsoft account system.

Refer to this KB article on how to resolve it



## 4. Exporting the SharePoint list to Database

Before you can export a SharePoint list to a relational database, you are required to choose which fields of the list are to be included into the export. You do this by checking the corresponding check-box of the 3<sup>rd</sup> column 'Include in Database'. If you want all fields to be included, you can click 'Select All' option located at the bottom.

AssistMyTeam Database Exporter for SharePoint - 1.0.1.240

Load SharePoint Site or List

Enter URL:  Retrieve Favorites... Help

Available lists in site:

- AssistMyTe
- A-B C\_4:3y
- AMTCallers
- appdata
- AssistMyTeam Bugs
- boardKB
- Composed Looks
- Content type publishing error lo
- Licensing KB
- MyTest7
- NewList
- Procurements KB
- Products KB
- Project Policy Item List
- Sales KB
- Services KB
- SharePointHomeOrgLinks
- SimpleKB
- Support KB
- TaxonomyHiddenList
- Team Issue Tracker

1 Enter the SharePoint URL

2 Choose a SharePoint list

3 Select those fields of interest to be included in the export

4 Export to a relational database

Select fields from 'Team Issue Tracker' to be included

	Field Name	Data Type	Include in Database
1	Additional Cost	Currency	<input checked="" type="checkbox"/>
2	Assigned To	User	<input checked="" type="checkbox"/>
3	AssociatedUsers	Note	<input checked="" type="checkbox"/>
4	Attachments	Attachments	<input checked="" type="checkbox"/>
5	Attempted	Number	<input checked="" type="checkbox"/>
6	BankDOB	DateTime	<input checked="" type="checkbox"/>
7	BankHQ	Boolean	<input checked="" type="checkbox"/>
8	BankID	Number	<input checked="" type="checkbox"/>
9	BankInfo		<input checked="" type="checkbox"/>
10	BankName		<input checked="" type="checkbox"/>
	BankPrice		<input checked="" type="checkbox"/>
	fo		<input checked="" type="checkbox"/>
	ress		<input checked="" type="checkbox"/>
	pany		<input checked="" type="checkbox"/>

71 Total Fields (71) Chosen Fields (71)

SharePoint Field (71)

https://assistmyteam2.sharepoint.com Team Issue Tracker (71 Total Fields) Fields Chosen for inclusion in Database (71)

To export the selected SharePoint list with data of chosen fields, click 'Export to Database'. This will pop-up the database option dialog box, where you can choose the database type, name and specify the path and credentials etc.

Choose a Database Option

**Configure Database/Table Options**

Database Type: Microsoft Access [Load most recently use DB Config](#)

New database: assistmyteam2.sharepoint.com\_DB .mdb

Save in: \\Server\Databases

Table: Team Issue Tracker [Naming](#)

Existing database:

Table: Team Issue Tracker [Choose...](#) [Naming](#)

Continue > Cancel





You can choose a database between a **Microsoft Access** (MDB file) to a **Microsoft SQL Server**, or **Azure SQL Database** (cloud DB).

### i) Exporting to Microsoft Access

If you choose 'Microsoft Access', you have the option to use an existing access MDB file or create a new one (on the fly). If you choose the former, you will be able to choose an existing table, or create a new one (with the same name of the SharePoint list).

**Choose a Database Option** ✕

**Configure Database/Table Options**

Database Type:  [Load most recently use DB Config](#)

Server:

UserName:

Password:

Use Integrated Security

Database:

Table\*:

*\*If database/table does not exist, new ones would be created automatically*

### ii) Exporting to Microsoft SQL Server

For SQL server, the server, database, table names are mandatory. By default, the database name is populated with the SharePoint site name, suffixed with '\_DB'. Similarly, the table name is populated with the name of the SharePoint list you had chosen. Alternatively, you can choose an existing database, as well as existing table, to which the SharePoint list data will be exported to.

If the specified database or the table name don't exist, a new one will be created. If your SQL server is configured to use windows authentication (NTLM), then you can check the '**Use Integrity Security**' option to let Windows manager the credentials to access the resources on the SQL server.

#### Using Cloud based SQL Server database

You can also use cloud-based SQL server service instead of on-premise such as Amazon RDS cloud service (They offer both free and paid accounts. For more, refer to <https://aws.amazon.com/rds/>). For instance, below is our test MS SQL account with Amazon RDS. Once you have signed up and created a MS SQL database, input the endpoint URL as server in our app. Make sure, you suffix the port number after the endpoint as ",1433" so that the full URL in the server name would be 'XXXXXXXXXXXXXXXXXXXXXXXXX.rds.amazon.com,1433'.



Database Type: Microsoft SQL Server

Server: ctiyvckp9sa.us-west-2.rds.amazonaws.com,1433

Database: (Optional)

Username: [Redacted]

Password: [Redacted]

Use Integrated Security

Test

And here is screenshot of the RDS server to use from the RDS member panel.

Launch DB Instance Show Monitoring Instance Actions

Filter: All Instances Search DB Instances...

Engine	DB Instance	Status	CPU	Current Activity
SQL Server Express	amtdbinstances	available	1.19%	1 Connection

Endpoint: .ctiyvckp9sa.us-west-2.rds.amazonaws.com:1433 (authorized)

Configuration Details		Security and Network	
Engine	SQL Server Express 12.00.4422.0.v1	Availability Zone	us-west-2a
License Model	License Included	VPC	vpc-458b0e21
Created Time	May 26, 2016 at 10:59:33 AM UTC+5:30	Subnet Group	default (Complete)
DB Name		Subnets	subnet-21b53445 subnet-f6865d80 subnet-72ea032a
Username	[Redacted]	Security Groups	rds-launch-wizard (sg-ff778099) (active)
Option Group	default.sqlserver-ex-12-00 (in-sync)	Publicly Accessible	Yes
Parameter Group	default.sqlserver-ex-12.0 (in-sync)	Endpoint	[Redacted].ctiyvckp9sa.us-west-2.rds.amazonaws.com
Copy Tags To Snapshots	No	Port	1433

### iii) Exporting to Microsoft Azure SQL

Azure SQL Database is a cloud-based relational database service from Microsoft, which is based on SQL Server database.

Choose a Database Option

**Configure Database/Table Options**

Database Type: Microsoft Azure SQL [Load most recently use DB Config](#)

Azure Server: assistmyteam .database.windows.net Test

User ID: francas

Password: [Redacted]

Database: assistmyteam2.sharepoint.com\_DB Choose... (Optional)

Table\*: Team Issue Tracker Choose... Naming

*\*If database/table does not exist, new ones would be created automatically*

Continue > Cancel



## 5. Important links

- [AssistMyTeam Database Exporter for SharePoint - Home page](#)  
Go to the official product website.
- [Contact us](#)  
Ask us any question
- [Purchase Single user license or Enterprise license](#)  
Acquire a single user license for 'AssistMyTeam Database Exporter for SharePoint' for personal use. If you want to deploy this product to multiple users and systems, check out for our enterprise license.
- [Submit an online support ticket](#)  
Use this web form to create a ticket with AssistMyTeam Technical Support.