

GenesisOne Unscrambler Customer Testimonial

Over the years I have access to several SQL documenter tools and I have never been satisfied with any of them. My most frequent complaint is that they are difficult to use. Followed closely by gap between what is promised and what the tool actually delivers.

GenesisOne Unscrambler is unlike any tool that I have seen. It has a clean interface that resembles SQL Server's SSMS. The Unscrambler displays registered server's databases and objects like SSMS Object Explorer. So if you are familiar with SSMS you will immediately feel at home with this tool. In the first few minutes of using the Unscrambler I was able to generate PDF versions of all the stored procedures, views, functions and triggers for each database on my server. By expanding the object tree, I was able to quickly see the details on all the objects in each database on the server. The information presented both in the PDF and in the Unscrambler tool, is clean well organized and most importantly useful. When displaying an object, you can see its dependencies, many of which have links to the dependent objects. This allows you quickly "walk" through a stored procedure, trigger or view.

I am working on a new product for my company, this tool will save me countless hours in documenting the work I have done. When I worked as a contractor I only wish that I had the Unscrambler. It would have made learning the database environment painless. When I demonstrated the Unscrambler to my colleagues, the singular comment that I received is "I want this too!"

Stanley Millhorn

<http://www.linkedin.com/in/millhorn>

GenesisOne T-SQL Unscrambler SQL Server MVP Tool Review

As SQL Server professionals we all rely on up-to-date documentation from clients as a way for us to get to know their environments quicker. More often than not the documentation is either outdated or they don't have any, which makes our task a bit more difficult as we now have to go through their servers and databases individually which adds days to the engagements.

Recently I faced this situation again but I was prepared. I have recently started using [GenesisOne Solutions T-SQL Source Code Unscrambler](#) to help me understand and document client environments within hours instead of weeks. GenesisOne is also the first partner chosen by [Red Gate](#) to be part of its SSMS Ecosystem.

Why I decided to use GenesisOne?

My client is in the financial services industry. They had a tight deadline and a very limited budget. After showing my client the results they handed me more work 😊

The database, while not big, is used by their main application.

957 Tables

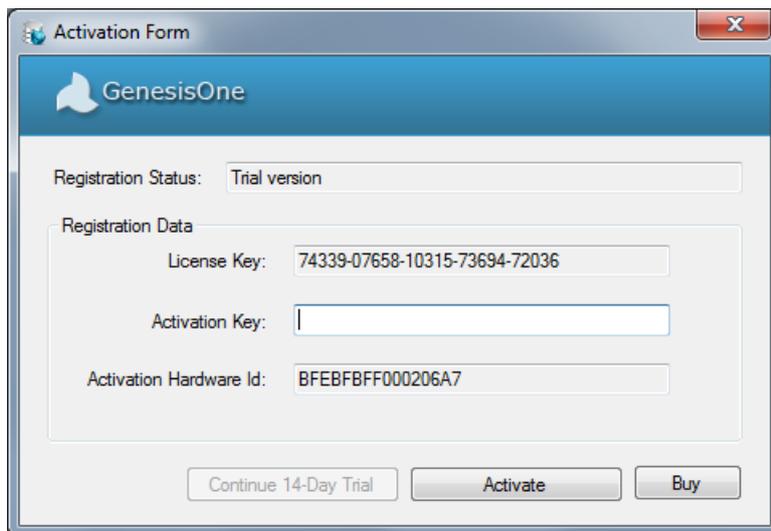
1635 Stored Procedures

43 views

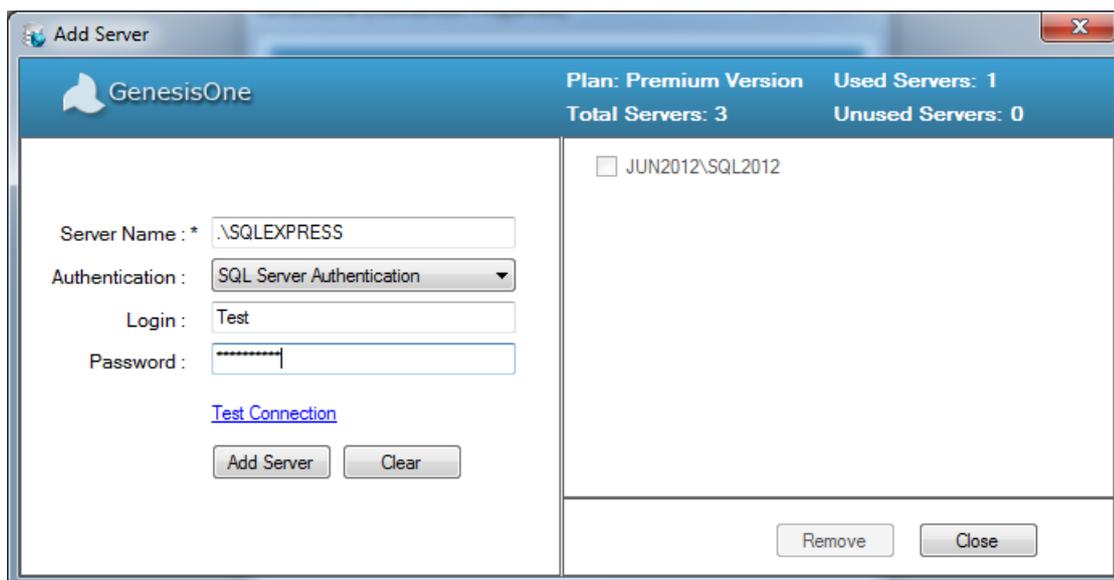
83 Functions

And for good measure add one week to learn the environment and make recommendations on how to improve database performance ... did I add no documentation?

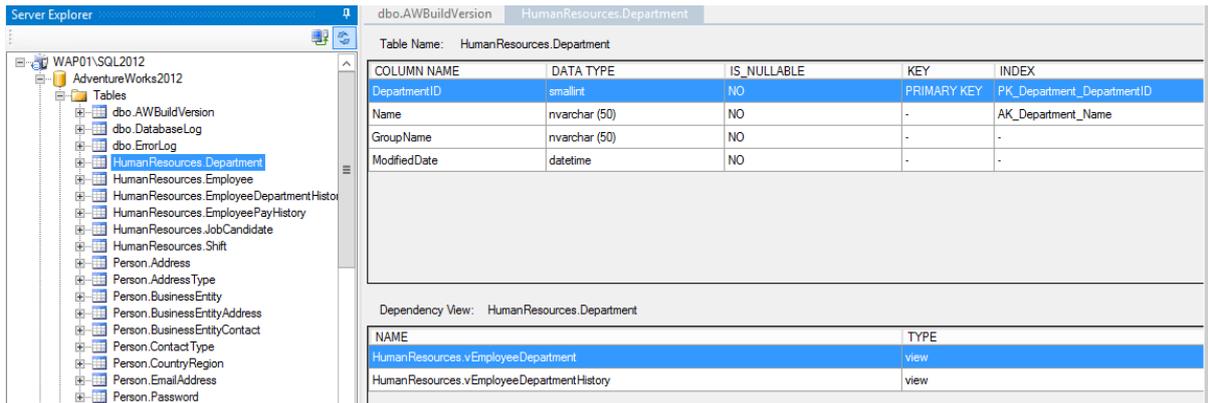
Once the Unscrambler is installed, the process of generating documentation is simple and automated:



Enter your product key and click on activate.

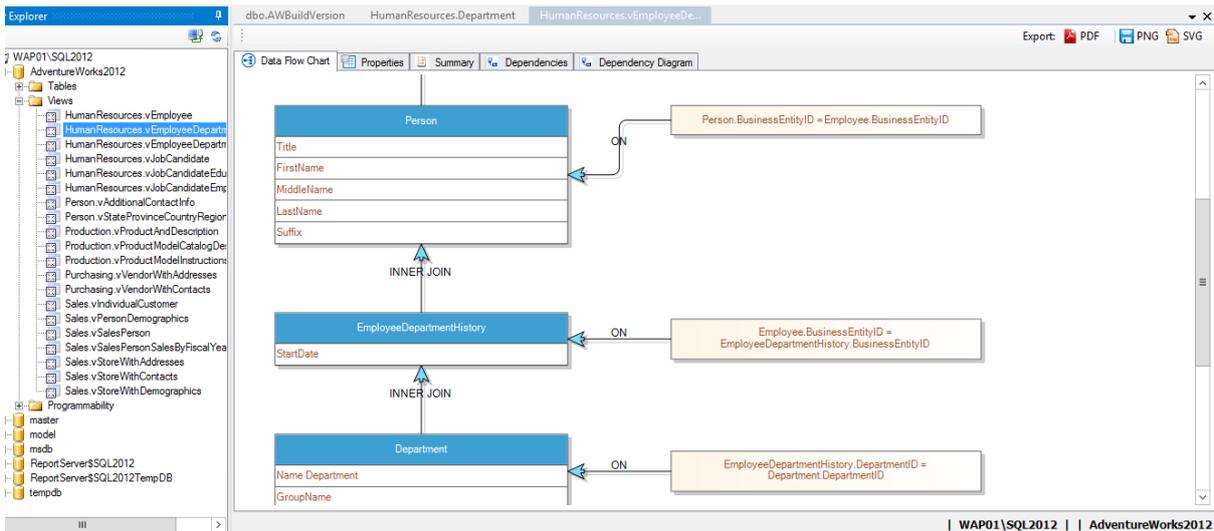


Now enter your server name(s) then click add server. You will notice that we support both SQL and windows authentication. You will notice on the right side pane you are able to remove servers you no longer wish to document.



In the left pane you can view the database objects and on the right you are able to see a graphical view of your table and its dependencies.

Next expand the view tree and select a view. As you can see there are four tabs each giving more insight into your view(s). First is the data flow chart; it gives you a visual flow of your view as well as which objects make up the view.



Next is the property tab showing you everything in a tabular form.

| SOURCETABLE | SOURCECOLUMN | DESTINATIONTABL | DESTINATIONCOL | ONCONDITION | WHERECONDITIO | SOURCESERVER | SOURCEDATABAS | SOURCESCHEMA | DESTINATIONSEF | DESTINATM |
|-------------------|-----------------------|-----------------|----------------|--------------------|-------------------|---------------|-------------------|----------------|----------------|-----------|
| Variable | | | | | | | | | | |
| Employee | BusinessEntityID,... | | | | EmployeeDepart... | WAP01\SQL2012 | AdventureWorks... | HumanResources | | |
| Person | Title, FirstName, ... | | | Person.Business... | | WAP01\SQL2012 | AdventureWorks... | Person | | |
| EmployeeDepart... | StartDate | | | Employee.Busine... | | WAP01\SQL2012 | AdventureWorks... | HumanResources | | |
| Department | Name Departmen... | | | EmployeeDepart... | | WAP01\SQL2012 | AdventureWorks... | HumanResources | | |

I like the next tab: the summary tab tells in English the story of your object's code!!! Awesome!! This saves a hell of a lot time having to explain to people what the code does.

HumanResources.Department HumanResources.vEmployeeDe... dbo.uspGetBillOfMaterials dbo.ufnGetContactInformation dbo.ufnGetDocumentStatusText

Export: PDF

Data Flow Chart Properties Summary Dependencies Dependency Diagram

Step 1

Selects BusinessEntityID, JobTitle Columns from the table Employee and inner joins with the table Person on Person.BusinessEntityID = Employee.BusinessEntityID, the used columns from this joined table are Title, FirstName, MiddleName, LastName, Suffix and there is an inner join with the table EmployeeDepartmentHistory on Employee.BusinessEntityID = EmployeeDepartmentHistory.BusinessEntityID, the used column from this joined table is StartDate and there is an inner join with the table Department on EmployeeDepartmentHistory.DepartmentID = Department.DepartmentID, the used columns from this joined table are Name, Department, GroupName, where the table satisfies the following condition EmployeeDepartmentHistory.EndDate IS NULL

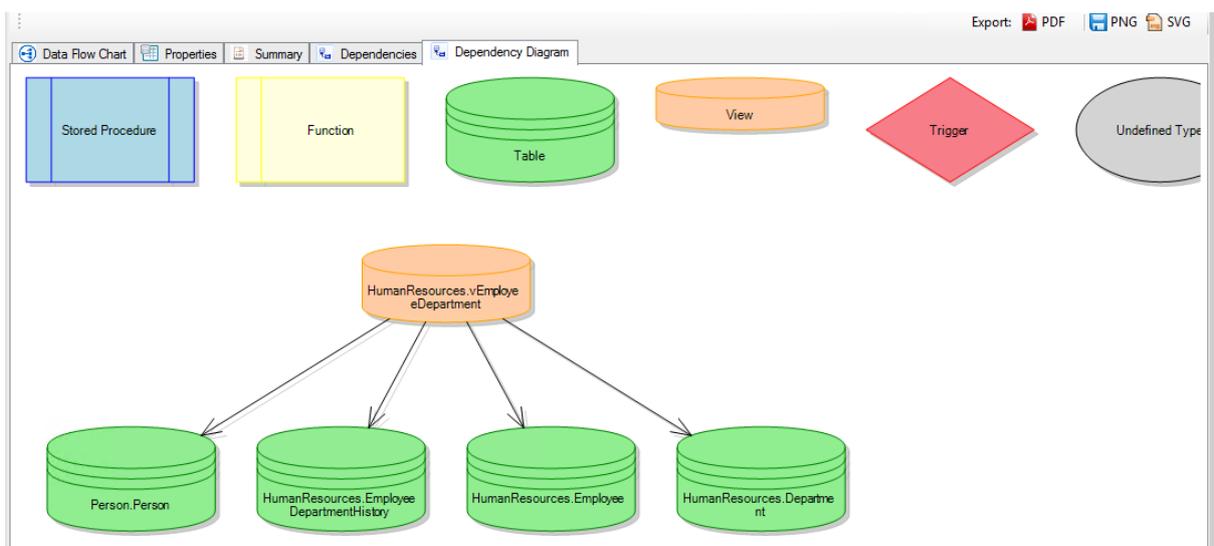
The next tab is the dependency viewer in a tabular form. It tells what makes up your object, in my case I chose a view and as you can see it tells me which schema.table.column makes up my view.

HumanResources.Department HumanResources.vEmployeeDe... dbo.uspGetBillOfMaterials dbo.ufnGetContactInformation dbo.ufnGetDocumen...

Data Flow Chart Properties Summary Dependencies Dependency Diagram

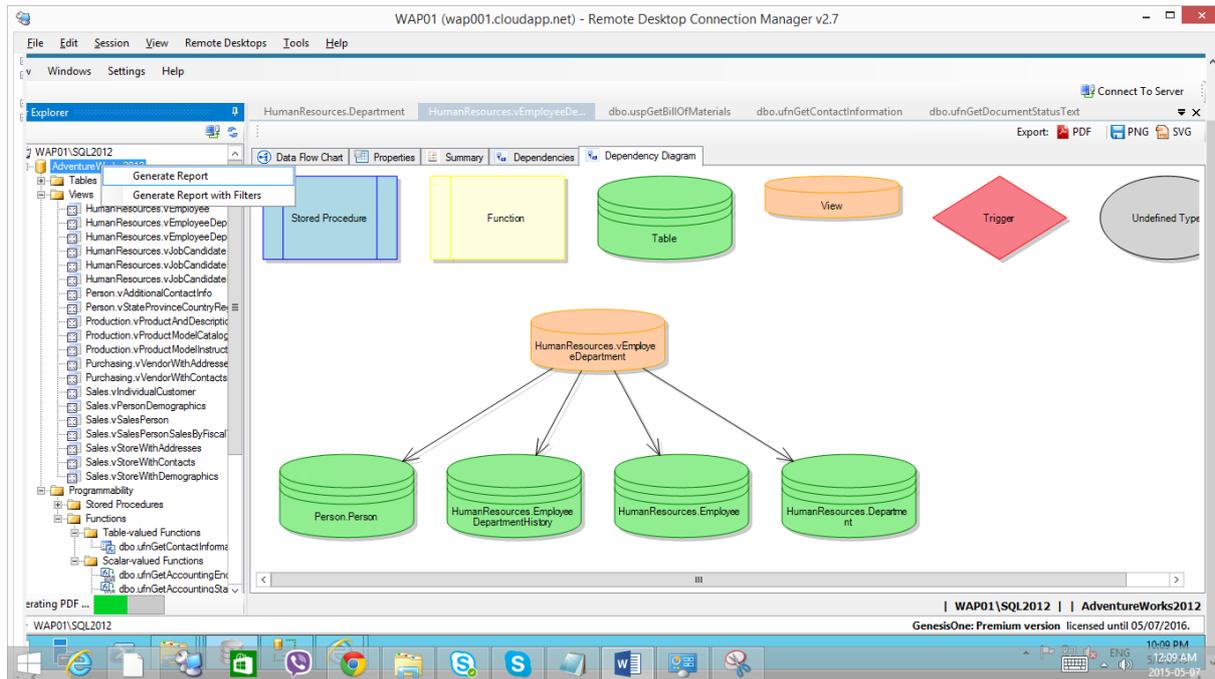
| NAME | TYPE | COLUMN |
|--|------------|------------------|
| Person.Person | user_table | BusinessEntityID |
| Person.Person | user_table | Title |
| Person.Person | user_table | FirstName |
| Person.Person | user_table | MiddleName |
| Person.Person | user_table | LastName |
| Person.Person | user_table | Suffix |
| HumanResources.EmployeeDepartmentHistory | user_table | BusinessEntityID |
| HumanResources.EmployeeDepartmentHistory | user_table | DepartmentID |
| HumanResources.EmployeeDepartmentHistory | user_table | StartDate |
| HumanResources.EmployeeDepartmentHistory | user_table | EndDate |
| HumanResources.Employee | user_table | BusinessEntityID |
| HumanResources.Employee | user_table | JobTitle |
| HumanResources.Department | user_table | DepartmentID |
| HumanResources.Department | user_table | Name |
| HumanResources.Department | user_table | GroupName |

Last but not least is the dependency diagram which gives you a high level view of your object. As you can see, each colour represents a different object.

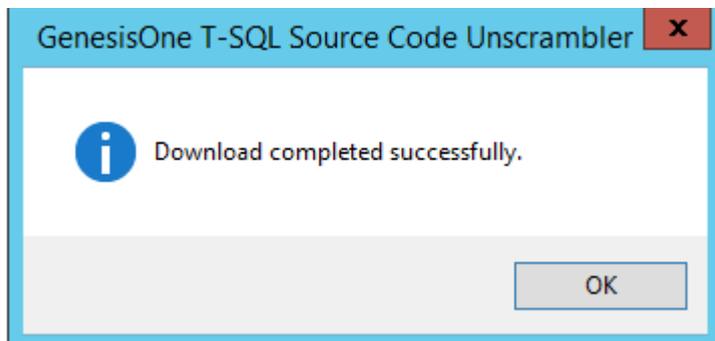


On the top right hand side of the pane you have the option to export your object to either PNG, PDF or SVG formats or, if you do not want to export objects individually, you can **document your entire**

database within seconds into PDF format. To do this simply right click on the database and click "Generate Report" as shown below.



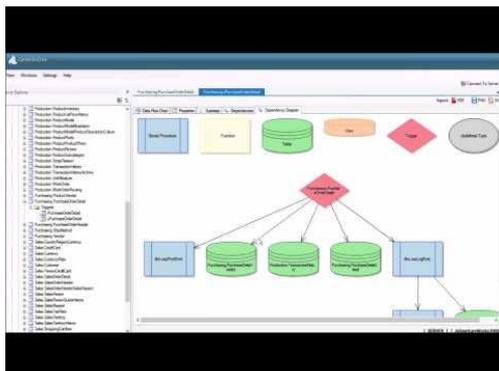
Now select a location to save the PDF and click save. At the bottom of the left pane you will see a progress bar indicating how long it will take to complete your document. Once completed (very, very quick) you will get the download completed screen.



After which you can now open the documentation for your entire database.

To help you get out of the block quicker, please watch the demo video below.

"Please click the image below to view the User Video."



I managed to finish within 5 days and make the required recommendations. I have also asked C# MVP Dirk Strauss ([T|B](#)) to give GenesisOne a go . His feedback: "As a developer GenesisOne allows me to learn my client(s) environment fast, allowing me to produce results faster."

What I would like to see

SSAS support

SSIS support

SSRS support

The ability to generate reports for entire instances instead of per database

The option to save generated files in a custom location

From all the tools that I have used in the past, T-SQL Unscrambler is different as it is not a traditional documentation tool but a visual aid for SQL professionals.

If you have any suggestions on how GenesisOne can improve on the product, you can drop them an email at CodeVisualization@GenesisOneSolutions.com. They're also keen to get involved by sponsoring your SQL community, so drop them an email at sqlrocks@genesisonolutions.com.

Regards,

Jody Roberts, SQL Server MVP