

The International Edition



#DBCC2021  
Online

DataBlaster  
CommunityConference

Friday // 15. October 2021

*DBCC International – Friday 15.10.2021*

Chocolatey for the Azure Data Platform Guy

*Felix Möller*

# About Me



## Felix Möller

Senior Azure Analytics Architect at Avanade – joint venture of Microsoft and Accenture.

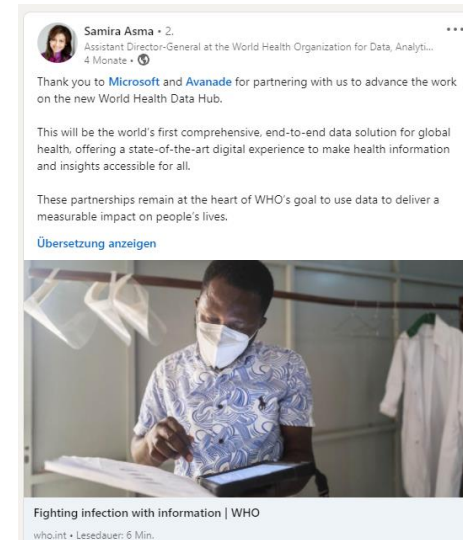
Built data platform at thyssenkrupp. Currently Building an Azure data platform on Azure at WHO.

Building data warehouses with a focus on financial data and SAP for more than 9 years. Focus shifted to Azure Architectures.

## Contact Info

URL: <https://azdataguy.com/>

E-Mail: [f.moeller@avanade.com](mailto:f.moeller@avanade.com)



<https://www.who.int/news-room/feature-stories/detail/fighting-infection-with-information>



<https://news.microsoft.com/transformation/thyssenkrupp-materials-services-keeps-calm-and-carries-on/>

The International Edition



# Agenda

- Why chocolatey?
- What is chocolatey?
- Software needed for the data guy
- Installing and updating
- The future

# Why chocolatey?

- Today's data platform requires lots of different software pieces
- Windows does not come with a native package manager yet
- Keeping all software up-to-date is tedious

# What is chocolatey?

- Open-Source package manager for Windows
- Has instructions for unattended installation
- Contains about 9000 different packages

# Demo: Chocolatey

The screenshot shows the Chocolatey website interface. At the top, there's a navigation bar with links for 'chocolatey.org', 'Community', 'Docs', 'Blog', and 'Install'. Below this is a search bar containing 'dax studio' and a search button. There are also links for 'Product', 'Community', 'Learn', and 'Partners'. A status bar indicates 'Passing', 'Failing', 'Pending', and 'Unknown / Exempted' packages. A notification banner for 'Community Package Repository Notification' is visible. The main content area shows search results for 'dax studio', displaying one package: 'DAX Studio 2.16.2' with 6,177 downloads. The package description states it's the ultimate tool for executing and analyzing DAX queries. A search bar at the bottom of the results shows the command '> choco install daxstudio'. On the right side, there are sections for 'Courses' and a 'Webinar Replay from Tuesday, 23 June 2020'.

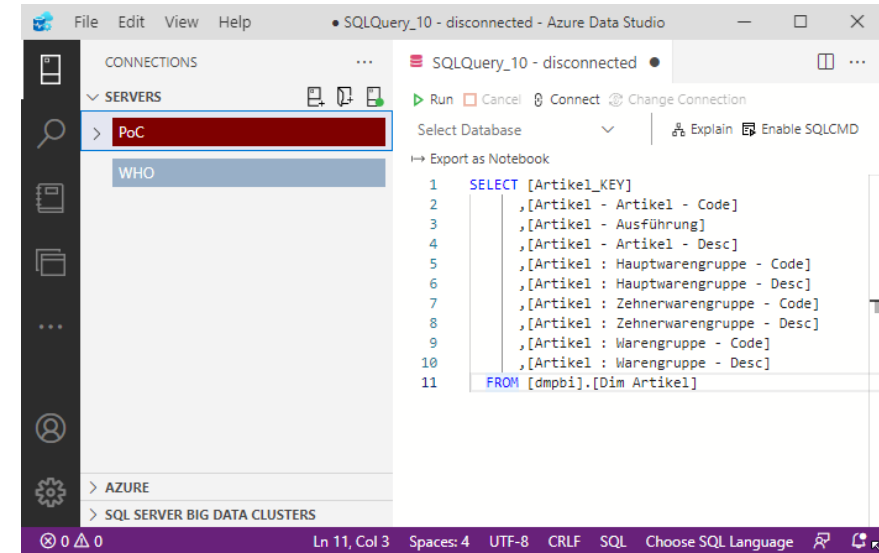
Link: <https://community.chocolatey.org/packages>

The graphic features a green alien character wearing glasses and holding a camera. Text includes 'The International Edition', '#DBCC 2021 Online', 'DataBlaster Community Conference', and 'Friday // 15. October 2021'.

# Software needed for the Data Guy I/

## Data Warehouse Basics

- `sql-server-management-studio` – SQL Server Management Studio
- `visualstudio2019-workload-data` – SQL Server Data Tools
- `daxstudio` – DAX Studio
- `azure-data-studio` – Azure Data Studio
- `powerbi` – Power BI report on business data or even Azure Consumption

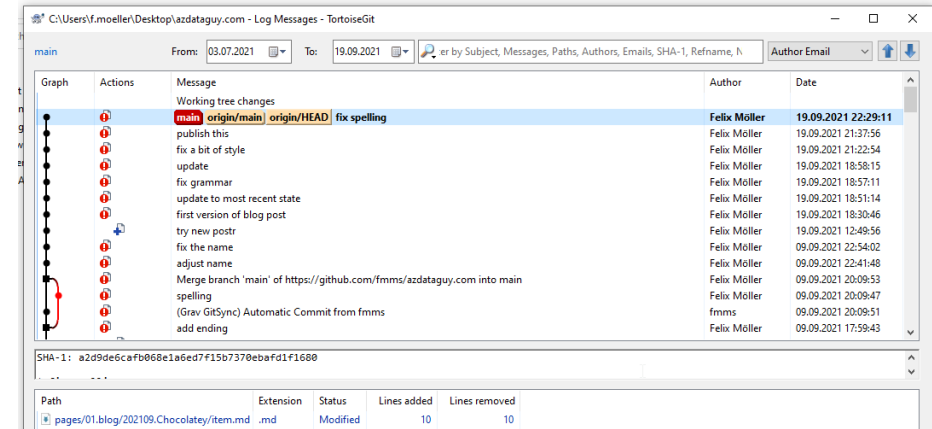


Will be speaking about Azure Cost management at Power BI Fest Nov 20<sup>th</sup>, 2021.

# Software needed for the Data Guy II/

## Version Control

- `git` – Version control that is very broadly used. Default backend with Azure DevOps and GitHub.
- `tortoisegit` – Tortoise Git gives very nice integration into the File Explorer.

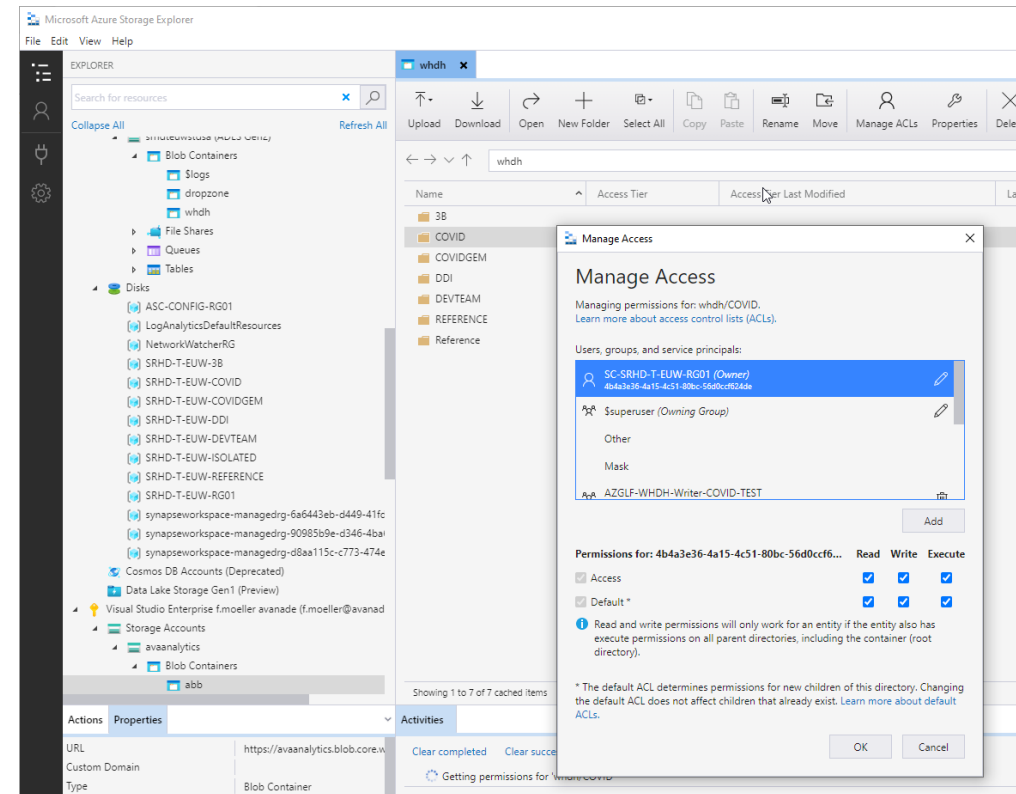




# Software needed for the Data Guy III/

## Azure Platform essentials

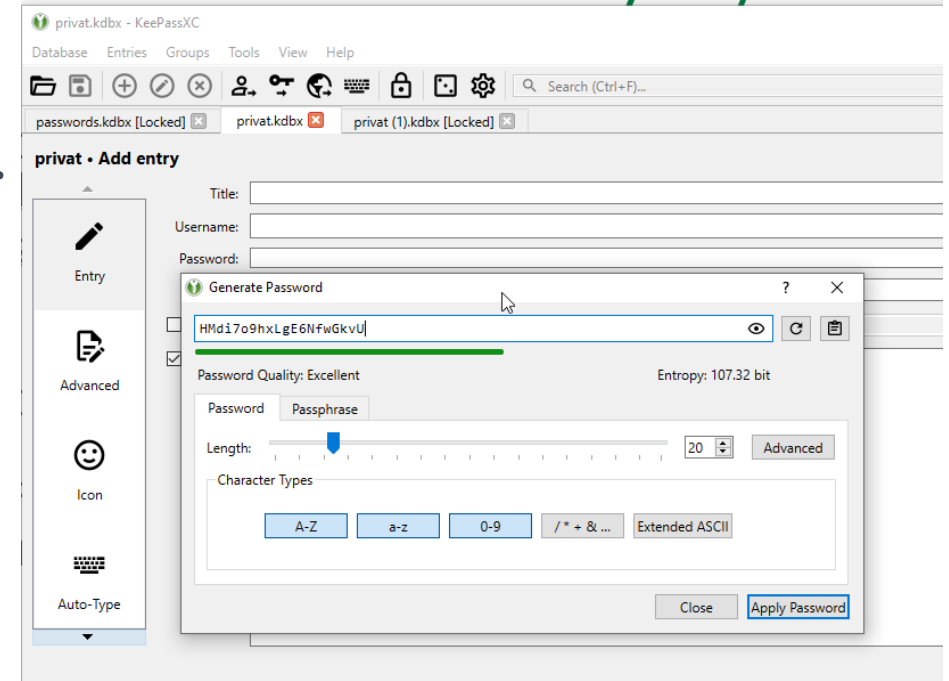
- `microsoftazurestorageexplorer` – Microsoft Azure Storage Explorer
- `azure-cli` – Azure CLI to create and configure all Azure resources programmatically.



# Software needed for the Data

## Guy IV/ Essentials

- `keepassxc` – password manager  
KeepassXC. Use KeePassium on iOS.
- `greenshot` – Greenshot snipping tool with extras
- `notepadplusplus` -- Notepad++  
THE universal text editor
- `vscode` -- Visual Studio Code is  
another very powerful  
development environment.



# Demo: Install chocolatey

## Install chocolatey:

```
Set-ExecutionPolicy Bypass -Scope Process -Force;  
[System.Net.ServicePointManager]::SecurityProtocol =  
[System.Net.ServicePointManager]::SecurityProtocol -bor 3072;  
iex ((New-Object  
System.Net.WebClient).DownloadString('https://community.chocolatey.org/install  
.ps1'))
```

For more details have a look at

<https://chocolatey.org/install#individual>

# Installing, listing and updating

Install new software:

```
choco install <package>
```

List all installed packages:

```
choco list --localonly
```

Upgrade everything:

```
choco upgrade all --yes
```

# Install everything you need in few minutes

```
choco install --confirm --acceptlicense sql-server-  
management-studio visualstudio2019professional  
visualstudio2019-workload-data daxstudio tabular-  
editor azure-data-studio powerbi git tortoisegit  
microsoftazurestorageexplorer azure-cli keepassxc  
greenshot notepadplusplus vscode
```

# The future

- Microsoft is working on its own package manager: winget
- Winget has limited packages at the moment (2700+)
- Winget will be integrated in Windows 11
- Install reinstalls even if no new version is available

# Winget

- Install from [Releases · microsoft/winget-cli \(github.com\)](https://github.com/microsoft/winget-cli/releases)
- Browse the repository at <https://winstall.app/>

# Winget repository

[winstall](#)

- Apps
- Packs
- ♡
- 🌙
- Login

Bulk install Windows apps quickly with Windows Package Manager.



2700+ apps and growing.

Q dax studio ⓘ

Showing 4 results.

<p><b>DAX Studio</b> +</p> <p>The ultimate tool for working with DAX queries</p> <p>View App v2.16.2.632 (1 other version available)</p> <p>Other apps by DAX Studio</p> <p>Download</p>	<p><b>TeXstudio - TeXstudio is a fully featured LaTeX editor.</b> +</p> <p>TeXstudio is a fully featured LaTeX editor. Our goal is to make writing LaTeX documents as easy and comfortable as possible.</p> <p>View App v4.0.0 (3 other versions available)</p> <p>Other apps by Benito van der Zander</p> <p>Download (.nullsoft)</p>	<p><b>PDF Studio</b> +</p> <p>Affordable, Powerful PDF Editor for Windows, Mac, Linux</p> <p>View App v2021.0.4.0</p> <p>Other apps by Qoppa Software</p> <p>Download</p>	<p><b>NSwagStudio</b> +</p> <p>The OpenAPI/Swagger API toolchain for .NET and TypeScript</p> <p>View App v13.13.2.0 (7 other versions available)</p> <p>Other apps by Rico Suter</p> <p>Download (.msi)</p>
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Link: <https://winstall.app/>







# Winget install everything

```
$packages = @( 'Microsoft.SQLServerManagementStudio',  
'Microsoft.VisualStudio.2019.Professional', 'DaxStudio.DaxStudio',  
'Microsoft.AzureDataStudio', 'Microsoft.PowerBI', 'Git.Git',  
'TortoiseGit.TortoiseGit', 'Microsoft.AzureStorageExplorer',  
'Microsoft.AzureCLI', 'KeePassXCTeam.KeePassXC', 'Greenshot.Greenshot',  
'Notepad++.Notepad++', 'Microsoft.VisualStudioCode' )  
  
foreach ( $package in $packages ) {  
    Write-Host "Installing: $package"  
    winget install --id=$package --exact --silent --accept-package-agreements --  
accept-source-agreements  
}
```

## Demo: Example

```
winget install --id=Git.Git --exact --silent --accept-  
package-agreements --accept-source-agreements
```

# Winget available software

Chocolatey Package	Winget Package
sql-server-management-studio	winget install --id=Microsoft.SQLServerManagementStudio -e
visualstudio2019professional	winget install --id=Microsoft.VisualStudio.2019.Professional -e
visualstudio2019-workload-data	Not available yet 
daxstudio	winget install --id=DaxStudio.DaxStudio -e
tabular-editor	Not available yet 
azure-data-studio	winget install --id=Microsoft.AzureDataStudio -e
powerbi	winget install --id=Microsoft.PowerBI -e
git	winget install --id=Git.Git -e
tortoisegit	winget install --id=TortoiseGit.TortoiseGit -e
microsoftazurestorageexplorer	winget install --id=Microsoft.AzureStorageExplorer -e
azure-cli	winget install --id=Microsoft.AzureCLI -e
keepassxc	winget install --id=KeepPassXCTeam.KeepPassXC -e
greenshot	winget install --id=Greenshot.Greenshot -e
notepadplusplus	winget install --id=Notepad++.Notepad++ -e
vscode	winget install --id=Microsoft.VisualStudioCode -e

As of 13<sup>th</sup> October 2021

# Thank you!

Please submit your feedback here:

<https://bit.ly/dbcc2021-feedback>