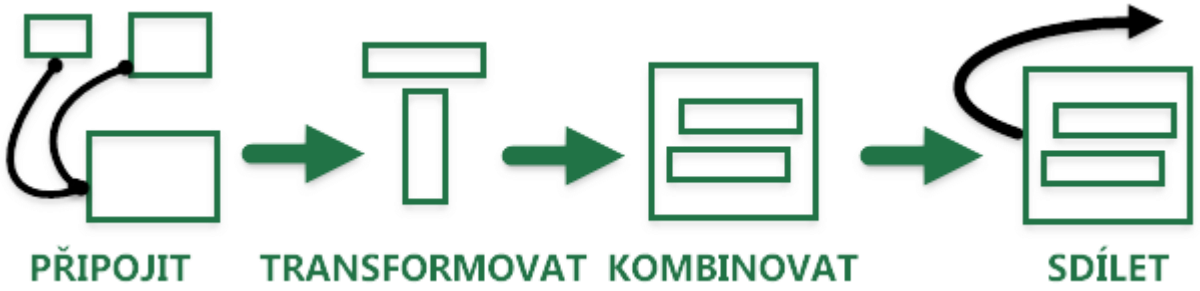
- Úvod k doplňku Power Query
- Požadované podmínky k použití PQ
- Rychlý pohled na Power Query
- Výhody použití PQ

Co je to Power Query

- Nový doplněk, který poskytuje komplexní funkce pro získávání, transformaci a analýzu dat.



Pro koho je určen?

Pro koho je určen Power Query?

- **Business Analysts**
  - Create queries
  - Publish queries
- **IT Professionals**
  - Configure data services
  - Create and publish advanced queries
- **Users**
  - Search for, and consume, published queries

Konfigurační podmínky

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Supported Operating Systems:

- Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2008

Office versions:

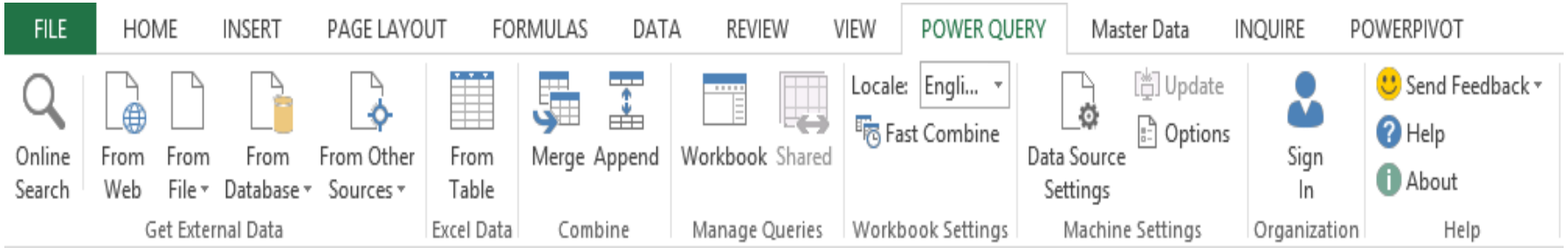
- Office 2007, Office 2010 SP1, Office 2013, Office 2016

Office Professional Plus and Office 365 Professional Plus editions only

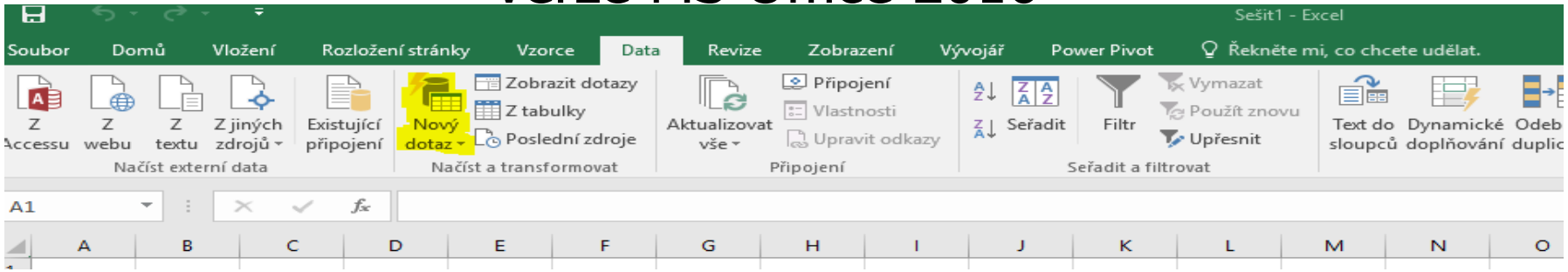
Kde najít v MS Excel Power Query

bbm,–

Verze MS Office 2007, 2010 a 2013



Verze MS Office 2016



Zdroje, ze kterých lze získat data

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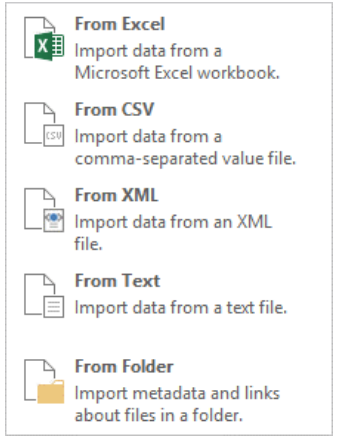
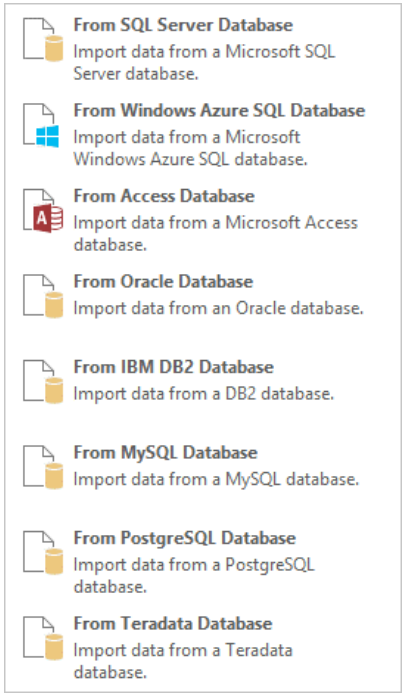
Data můžeme získávat z těchto zdrojů:

Creating Queries – External Data Sources

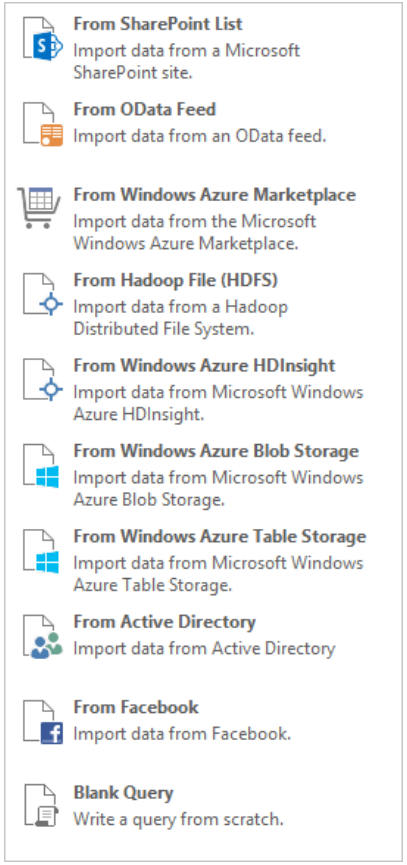
File:



Database:

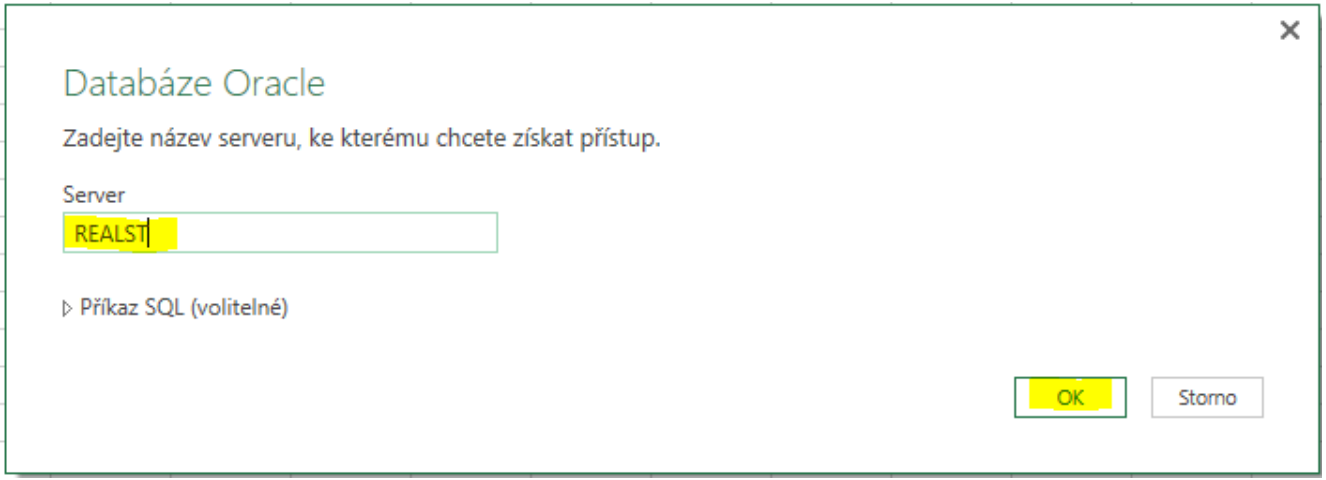


Other Sources:



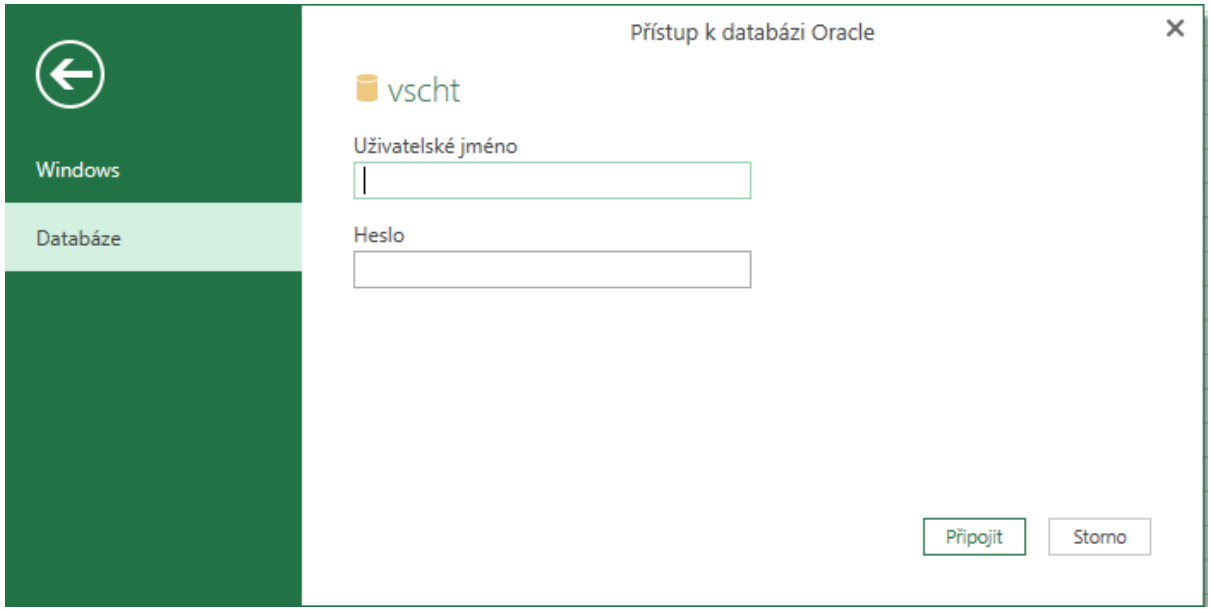
Jak se přihlásit do oracle DB

Názorná ukázka připojení se k Oracle DB



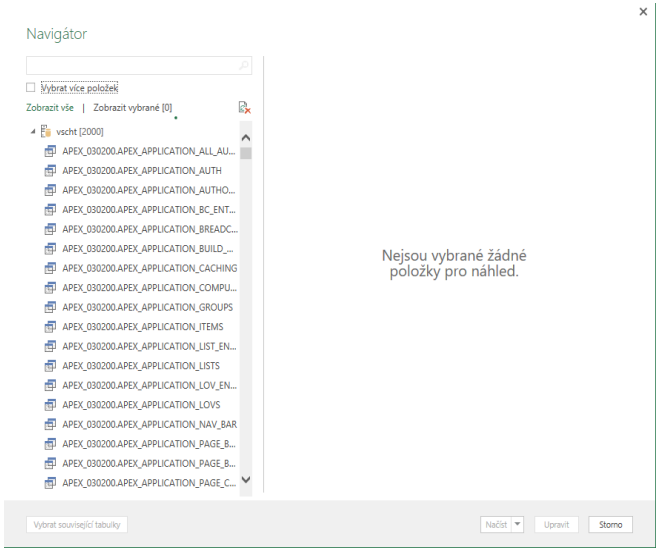
Kam zadat přihlašovací údaje

Názorná ukázka připojení se k Oracle DB



Náhled připravených tabulek od BBM

Po přihlášení se nabídnou tabulky k analýze:



Tabulku nebo více tabulek můžeme jednoduše načíst do MS Excel nebo vstoupit do editoru PQ a zde si data ještě lépe připravit.

Editor dotazů v PQ

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Refresh

Import the latest data (run query steps)

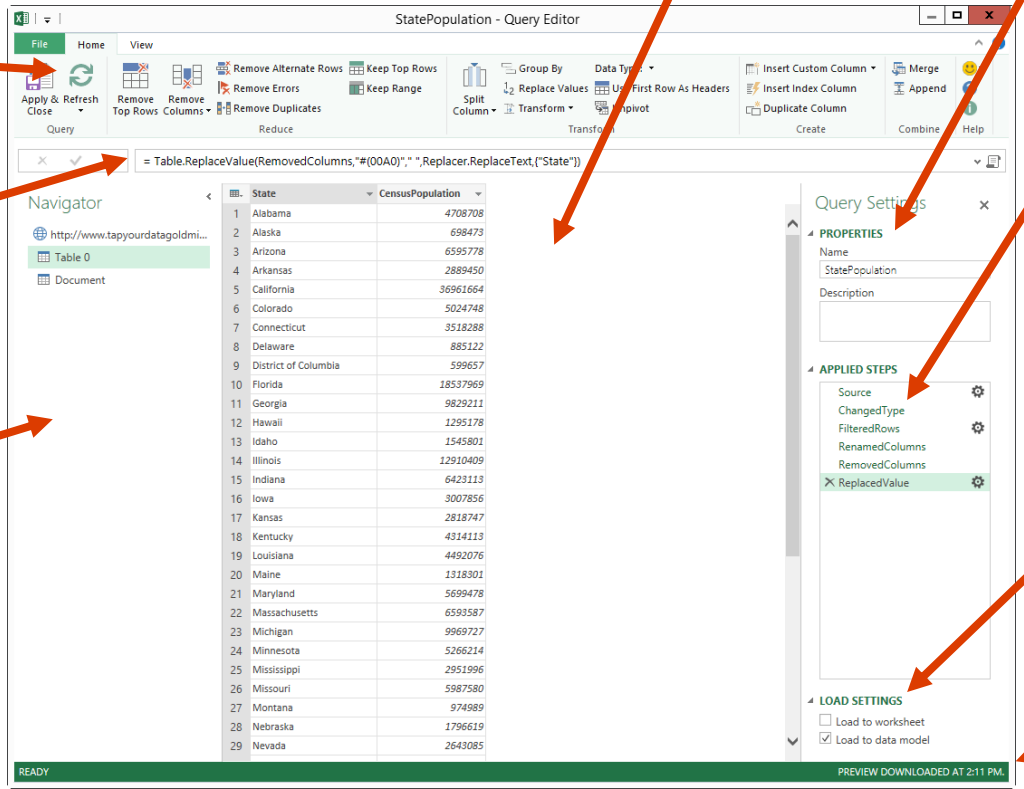
Formula Bar

View or edit the formula directly

Navigator Pane

Browse structured data sources to find the data source that you want to query

Query preview



Query Name

Unique name for the query

Applied Steps

Edit any query step, represented as a Gear icon, by using the Edit Settings option on each step.

Steps can also be deleted.

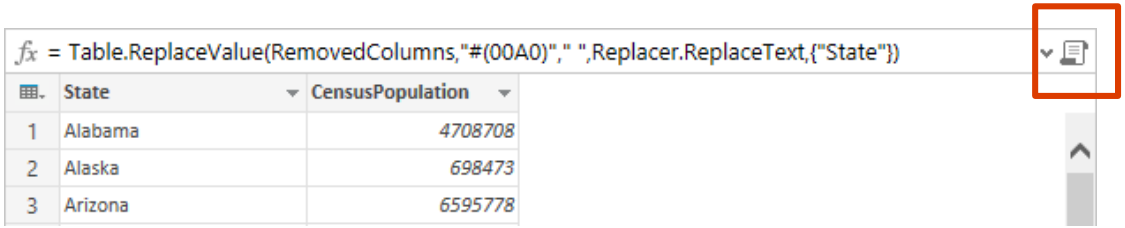
Load Settings

Load worksheet and/or data model

Latest refresh time

Working with Power Query

Advanced Scenarios – Example



In the Query Editor, click the Script icon (only available when Advanced Query Editing is enabled) to edit the query script

```
let
    Source = Web.Page(Web.Contents("http://www.tapyourdatagoldmine.com/pages/USCensusPopulation.html")),
    Data0 = Source{0}[Data],
    ChangedType = Table.TransformColumnTypes(Data0,{{"State", type text}, {"Number", type number}, {"Rank"
    FilteredRows = Table.SelectRows(ChangedType, each ([State] <> "United States")),
    RenamedColumns = Table.RenameColumns(FilteredRows,{{"Number", "CensusPopulation"}}),
    RemovedColumns = Table.RemoveColumns(RenamedColumns,{"Rank"}),
    ReplacedValue = Table.ReplaceValue(RemovedColumns,"#(00A0)"," ",Replacer.ReplaceText,{"State"})
in
    ReplacedValue
```

Výhody PQ?


Transformed into
Hard working Excel User
Table suitable for Excel consumption


Raw data in many shapes & forms
(from one or multiple sources)
Magic Happens here
(with Excel Formulas, VBA or Something else)
The result of our hard work
a table ready for consumption or analysis

Děkuji za pozornost ☺