

# COMBIVIS Studio HMI 4.0



Lesson 8

Datalogger & Recipes



## You will learn in this lesson...

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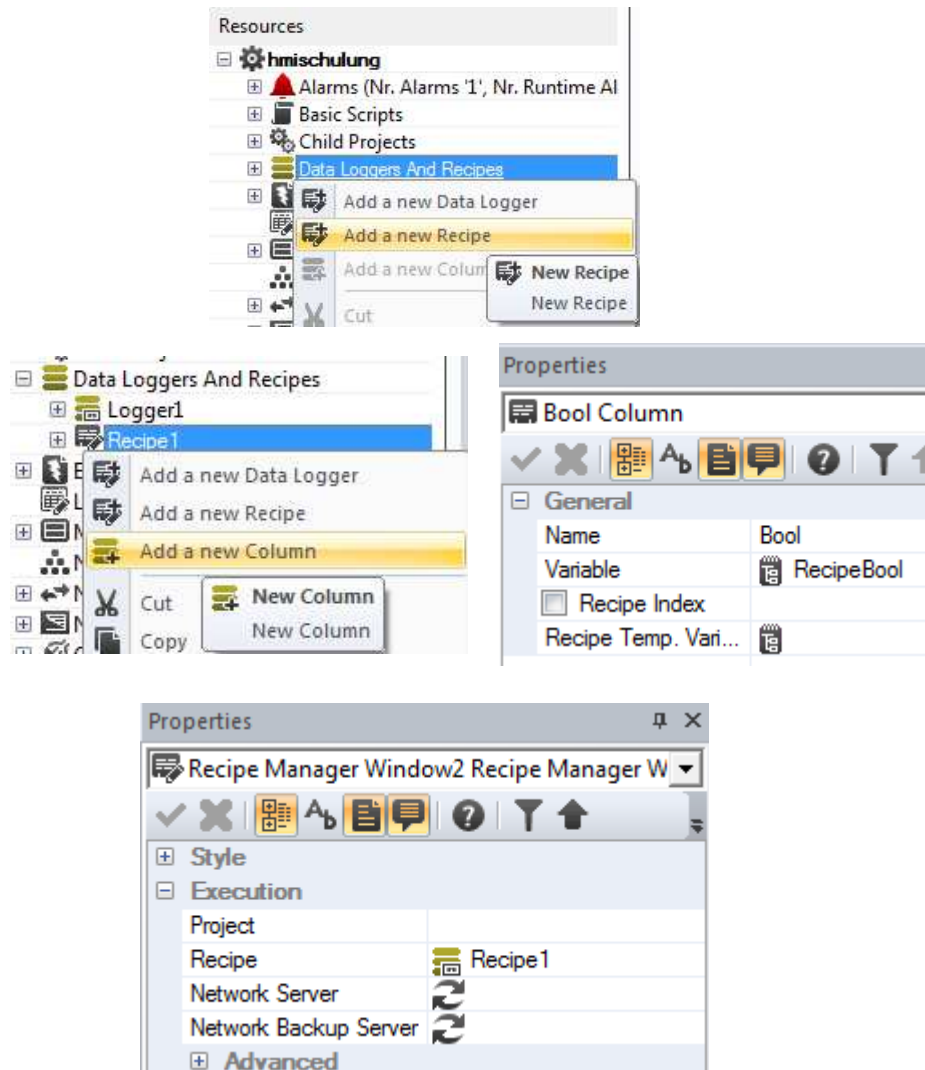
### Goal:

- Create a:
  - Datalogger
  - Recipe

# Recipes

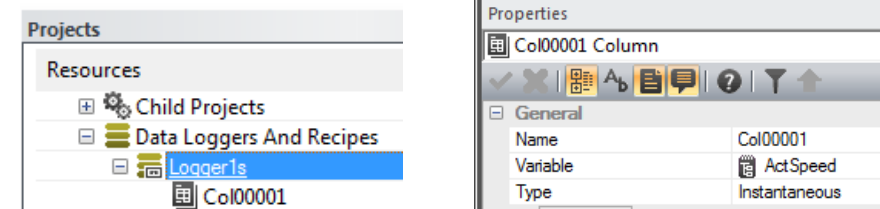
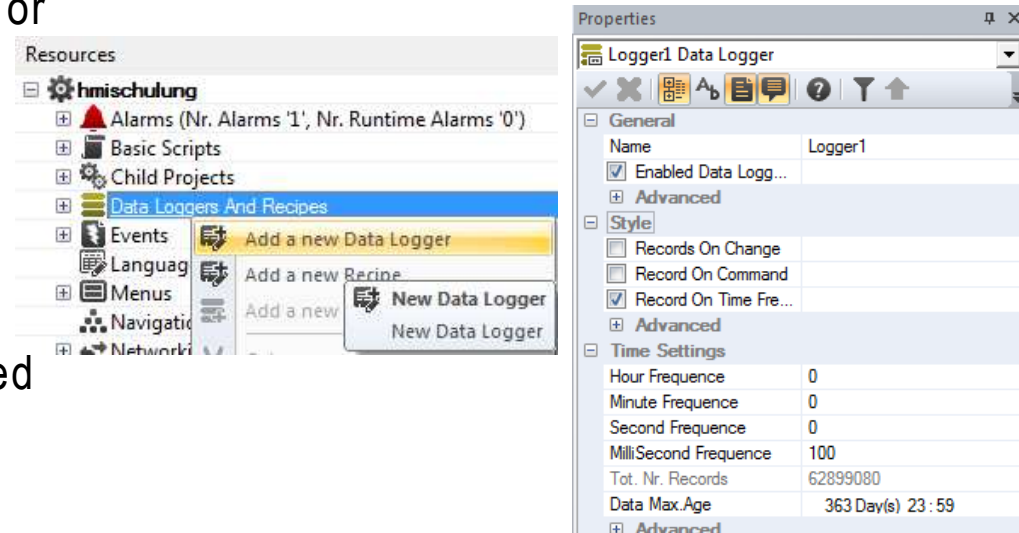


- Recipes offers the possibility to collect groups of parameters
- Recipes are divided in columns
- Each column can be linked to a variable, which will be saved in the recipe
- A column „Recipeindex“ (Name of the recipe) will be created automatically
- The standard Recipe-manager can be found in the „Toolbox“
- The recipes can be added to the properties



# Datealogger

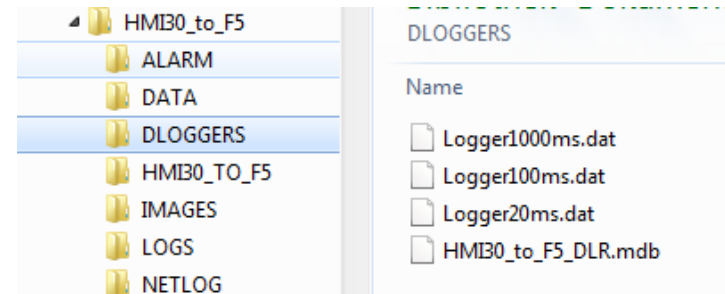
- Datalogger can log data frequently or event-controlled
- Datalogger are divided in columns
- Each column can be linked to a variable
- Following properties can be changed in the object:
  - Log-style (frequently, event-/command-controlled)
  - Timesettings
  - Amount of data
  - Database (IMDB /ODBC)
  - And many more...



# Datalogger



- The HMI stores the data in a sub-folder of the project-folder (DLOGGERS)



- Every data gets a timestamp

**Tipp:** Choose the frequency of logging wisely! If the time is too short, a lot of overhead will be produced. Sometimes it's better just to log on a command (to react on a trigger-variable).

2013/09/10 17:36:02.240	Time On 498
2013/09/10 17:36:02.261	Time On 498
2013/09/10 17:36:02.282	Time On 498
2013/09/10 17:36:02.300	Time On 498
2013/09/10 17:36:02.320	Time On 498
2013/09/10 17:36:02.340	Time On 498
2013/09/10 17:36:02.360	Time On 498
2013/09/10 17:36:02.380	Time On 498
2013/09/10 17:36:02.400	Time On 498
2013/09/10 17:36:02.420	Time On 498
2013/09/10 17:36:02.440	Time On 498
2013/09/10 17:36:02.460	Time On 498
2013/09/10 17:36:02.480	Time On 498
2013/09/10 17:36:02.500	Time On 498
2013/09/10 17:36:02.520	Time On 505
2013/09/10 17:36:02.540	Time On 505
2013/09/10 17:36:02.560	Time On 505
2013/09/10 17:36:02.580	Time On 505



# Practice



1. Create a new recipe(„**Recipes1**“), new variables and link them to it:
  - a) Column: „Bool“, Variable: „RecipeBool“, Typ: Bit
  - b) Column: „Real“, Variable: „RecipeReal“, Typ: Float
  - c) Column: „Word“, Variable: „RecipeWord“, Typ: Word
2. Create a new Screen(„**Screen4**“), add the recipe-manager and connect the recipe to it.

test123			
Variable	Beschreibung	Wert	Einheiten
Word		123	
Real		4,5678	
Bool		1	



# Practice



1. Create a new datalogger („**Logger1**“) with following columns:
  - a) Column: Sinus, Variable: Sinus
  - b) Column: Sawtooth, Variable: Sawtooth
2. Create a new screen (“**Screen5**“) and add a „DataLogger Window“. Link the datalogger to the properties of the object.
3. The variables shall be logged frequently (100 msec)

Ereigniszeit	Benutzer	Sawtooth	Sinus
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:43		645	-0,9700
03.11.2015 11:41:42		645	-0,9700
03.11.2015 11:41:42		645	-0,9700
03.11.2015 11:41:42		645	-0,9700
03.11.2015 11:41:42		645	-0,9700



# COMBIVIS Studio HMI 4.0



✓ Lesson 8

..go on with lesson 9 – Visual Basic  
Scripts

