

Blaise



Blaise 5

New Features demo

October 23th, 2023

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Agenda

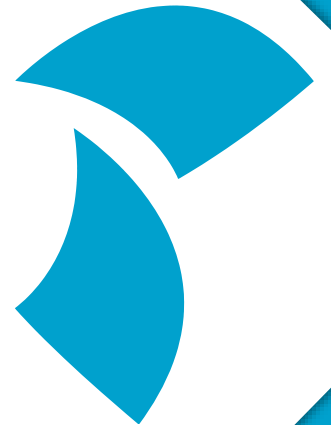
- String Dropdown List
- Deselectable Radiobuttons
- Start Local Process
- Virtual Keyboard (SendKeys)
- Geolocation
- Downgrade Resource Database
- Bitt Google Translate
- Session Data improvements
- ResumePage
- DataViewer improvements
- Content Security Policy
- Appointment control improvements



Overview



String Dropdown List



String Dropdown List

- Was present in Blaise 4, but not in Blaise 5
- Demo

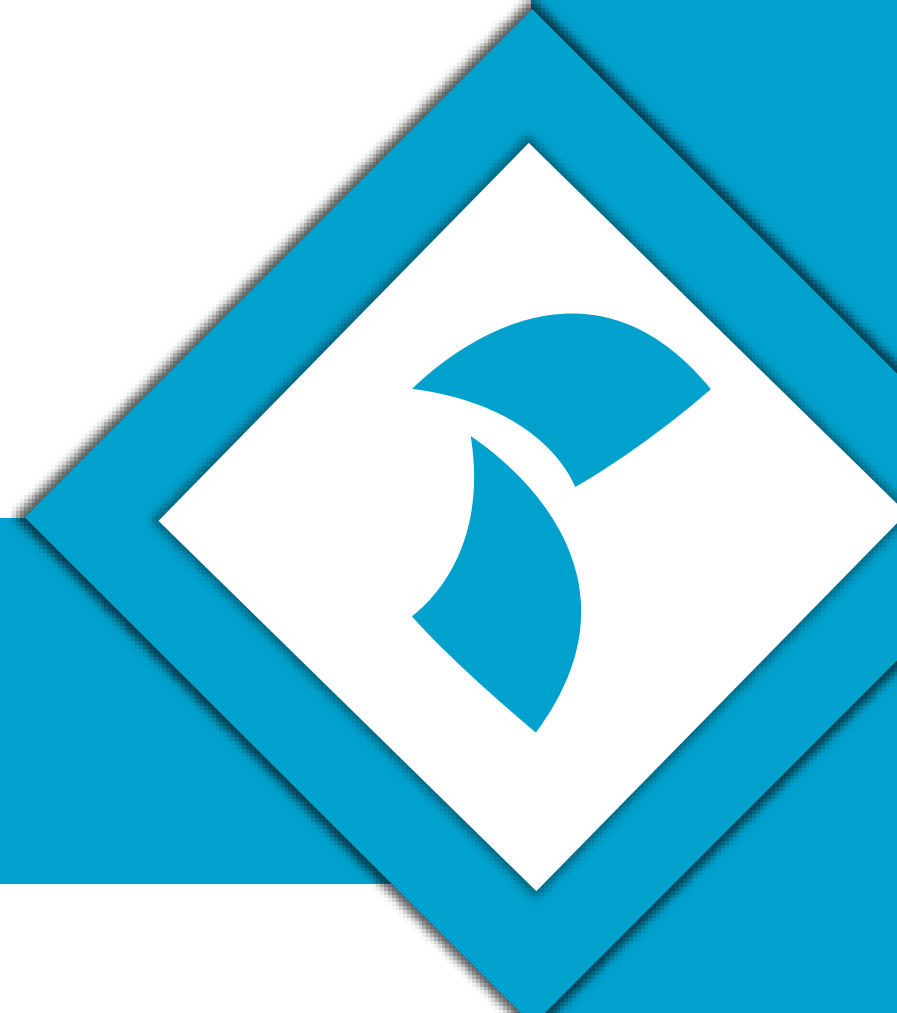


String Dropdown List

- Translations are not possible
 - You have to use an enumeration field for that



Deselectable Radiobuttons



Deselectable radio buttons

- Long standing wish
- Not conform standards
- Implemented using the resource database
- Demo



Start Local Process



Start Local Process

- Windows only, at the moment
- Starts a process, and optionally waits for it to complete
 - Can be used, for instance for Text-to-Speech (balabolka)
- Demo



Virtual Keyboard

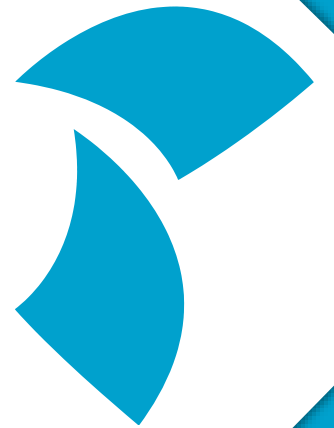


Virtual Keyboard

- On-screen keyboard
- Implemented using the resource database, with the SendKeys action
- Customizable
- Demo



Geolocation



Geolocation

- Maps Control
- Three possible providers
 - Bing
 - Google Maps
 - ArcGis
- API key(s) needed to use this feature
- Demo



Downgrade Resource Database

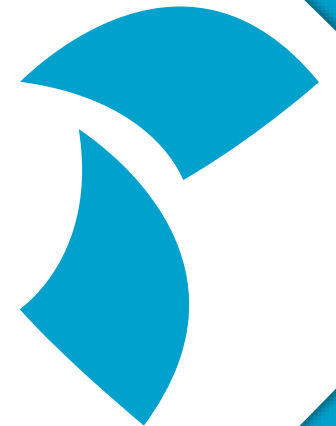


Downgrade Resource Database

- This is needed more often than we anticipated
- New controls, properties and/or actions are ignored
- Demo



Bitt Google Translate



Bitt Google Translate

- Uses Google Translate to translate texts
- You need to use ISO language names
- Internet connection required
- Demo



Session Data improvements

- In Manipula we introduced the GETSESSIONRECORD and UPDATESESSION functions that can be used to read session data for a specific primary key, modify data (fields only) and update the session data
 - Use an UPDATEFILE with a relative .bdix to the deployed data
- If all sessions need to be processed, you can use GETSESSIONDATA and loop through the records of the resulting TEMPORARYFILE
- When running scripts you can now also update session data, in particular useful when updating CATI related fields (e.g. ToWhom, SubPriority or Timeslice fields)



Updating Session Data

- Harmful change of your datamodel: all session data will be cleared
- Harmless change on your datamodel (e.g. added a new field)
- Three options to determine what will happen with SessionData:
 - According to Session Data compatibility:
 - if the SessionData change is harmful, only the field data and checks of the session are preserved
 - If the SessionData change is harmless, all session data will be read
 - Only read data fields and checks:
 - Regardless of SessionData change, only field data and checks of the session are preserved
 - Try to include aux fields:
 - As above, but an attempt is made to assign auxfields as well



Updating Session Data (2)

- Sample datamodel:
- Version 1 (original)
Version 2a (no changes in auxfields)

```
]AUXFIELDS  
  titleFill "Please specify your title": STRING[5]  
  secondTitleFill: STRING[5]
```

```
IF Title = Other THEN  
  titleFill.ASK  
  secondTitleFill:=titleFill  
ELSEIF Title = Mr THEN  
  titleFill := 'Mr.'  
ELSEIF (Title = RESPONSE) THEN  
  titleFill := 'Mrs.'  
ENDIF
```

- Version 2b (incompatible auxfields)

```
] AUXFIELDS  
  titleFill "Please specify your title": STRING[5]  
  // an auxfield was removed: Session Data change is harmful
```

```
IF Title = Other THEN  
  titleFill.ASK  
ELSEIF Title = Mr THEN  
  titleFill := 'Mr.'  
ELSEIF (Title = RESPONSE) THEN  
  titleFill := 'Mrs.'  
ENDIF
```



Updating Session Data (3)

- Option 1:

How to read Session Data after Harmless Update?

- According to Session Data Compatibility
- Only Read Data Fields and Checks
- Try to Include Aux Fields

```
Data Entry State
F ID=1
A titleFill='Sir'
A secondTitleFill='Sir'
F Name='Tim'
F Title=Other
F TimeSpent=150
```

- Version 2a (harmless datamodel change, compatible session data)

```
Data Entry State
F ID=1
A titleFill='Sir'
A secondTitleFill='Sir'
F Name='Tim'
F Title=Other
F TimeSpent=150
```

- All session data is preserved (data, checks and auxfields)

- Version 2b (harmless datamodel change, incompatible session data)

```
Data Entry State
F ID=1
F Name='Tim'
F Title=Other
F TimeSpent=150
```

- Data and checks are preserved, auxfields data is lost



Updating Session Data (4)

- Option 2:

How to read Session Data after Harmless Update?

- According to Session Data Compatibility
- Only Read Data Fields and Checks
- Try to Include Aux Fields

- Version 2a (harmless datamodel change, compatible session data)

Data Entry State

F ID=2
F Name='Roger'
F Title=Other
F TimeSpent=180

- Data and checks are preserved, auxfield data is lost (even though compatible)

Data Entry State

F ID=2
A titleFill='Prof'
A secondTitleFill='Prof'
F Name='Roger'
F Title=Other
F TimeSpent=180

- Version 2b (harmless datamodel change, incompatible session data)

Data Entry State

F ID=2
F Name='Roger'
F Title=Other
F TimeSpent=180

- Data and checks are preserved, auxfields data is lost



Updating Session Data (5)

- Option 3:

How to read Session Data after Harmless Update?

According to Session Data Compatibility

Only Read Data Fields and Checks

Try to Include Aux Fields

- Version 2a (harmless datamodel change, compatible session data)

```
Data Entry State
F ID=3
A titleFill='Lord'
A secondTitleFill='Lord'
F Name='Lon'
F Title=Other
F TimeSpent=200
```

- All session data is preserved (because session data is compatible)

```
Data Entry State
F ID=3
A titleFill='Lord'
A secondTitleFill='Lord'
F Name='Lon'
F Title=Other
F TimeSpent=200
```

- Version 2b (harmless datamodel change, incompatible session data)

```
Data Entry State
F ID=3
A titleFill='Lord'
F Name='Lon'
F Title=Other
F TimeSpent=200
```

- Data and checks are preserved, auxfields data that could be read is preserved



Resume Page

- Sometimes, you want different behavior based on if a respondent first started an interview, or if a session that was aborted earlier is continued
- You can use the Resume Page for this. If a session is resumed, the system will go to the ResumePage automatically (if defined)



Resume Page (2)

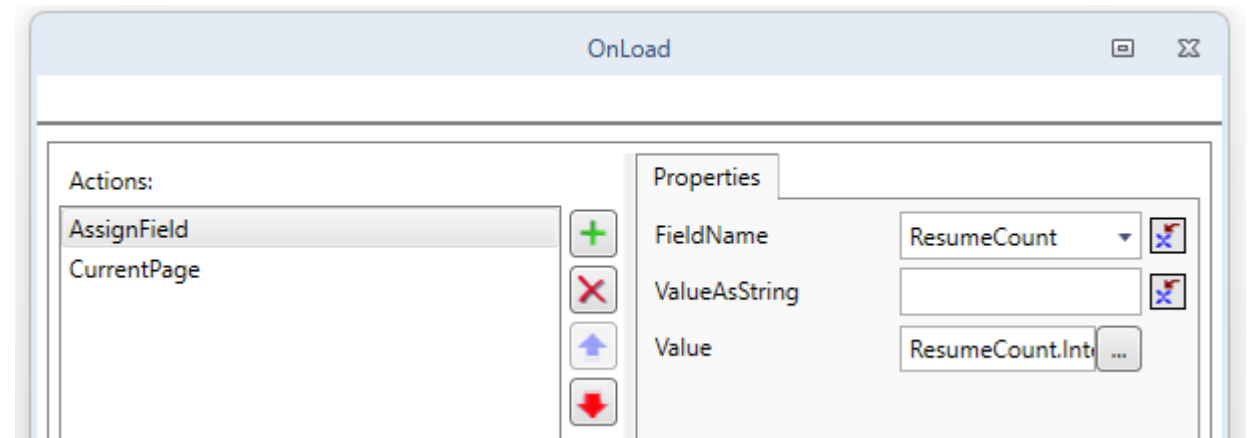
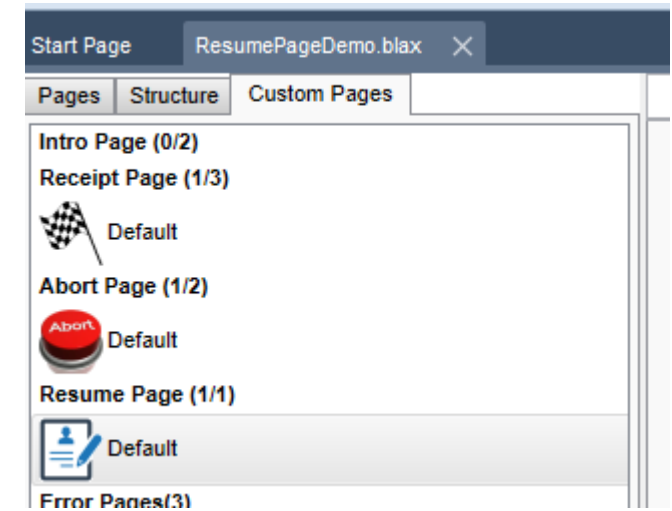
- Two fields for counting the number of completions and number of resumes (with Field References in the .blrd)
 - ResumeCount : 0..100
 - CompletedCount : 0..100
- Three fields to display a message based on the situation:
 - FirstIntro "Welcome to our survey.": STRING[1], EMPTY
 - ResumeIntro "Welcome back to our survey. You have started this survey ^ResumeCount time(s) before.": STRING[1], EMPTY
 - CompletedResumeIntro "Welcome back to our survey. You have resumed this survey ^ResumeCount time(s) before since the last of ^CompletedCount time(s) that you completed this survey": STRING[1], EMPTY

- ▾ Blaise Resource Database
 - Languages (1)
 - Text Roles (17)
 - Type References (2)
 - ▾ Field References (9)
 - RespondentTimeZone
 - RespondentTime
 - MainSurveyName
 - InstrumentID
 - InterviewerID
 - CaseID
 - SomeSetField
 - ResumeCount
 - CompletedCount



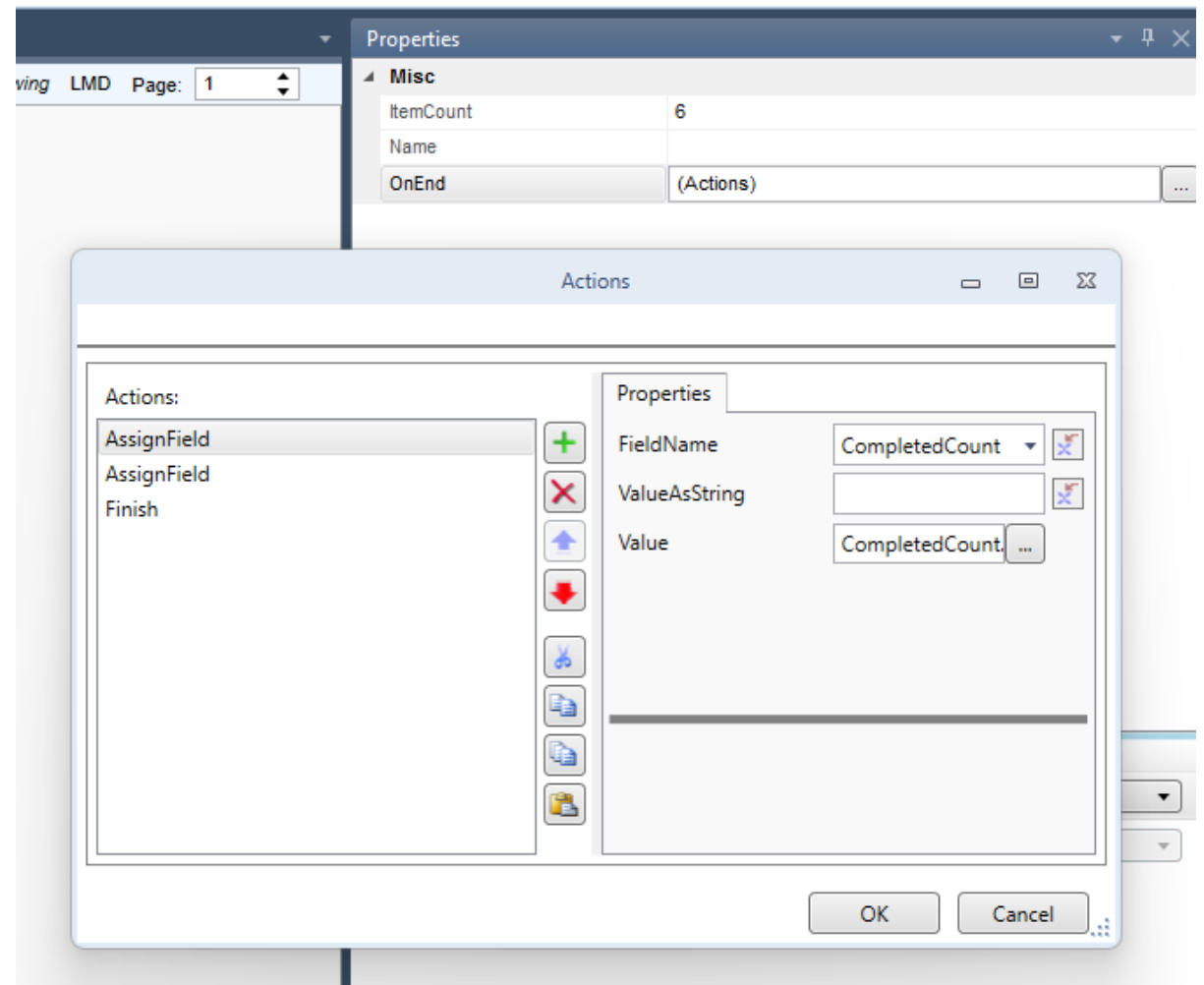
Resume Page (3)

- A ResumePage is defined
- This ResumePage has OnLoad actions:
 - Increase the ResumeCount
 - CurrentPage (to return to the normal interview page automatically)



Resume Page (4)

- OnEnd parallel actions:
 - Increase the CompletedCount
 - Reset the ResumeCount to 0
 - Finish (required to end the interview if you specify custom OnEnd actions)



Resume Page (5)

- Demo



DataViewer improvements



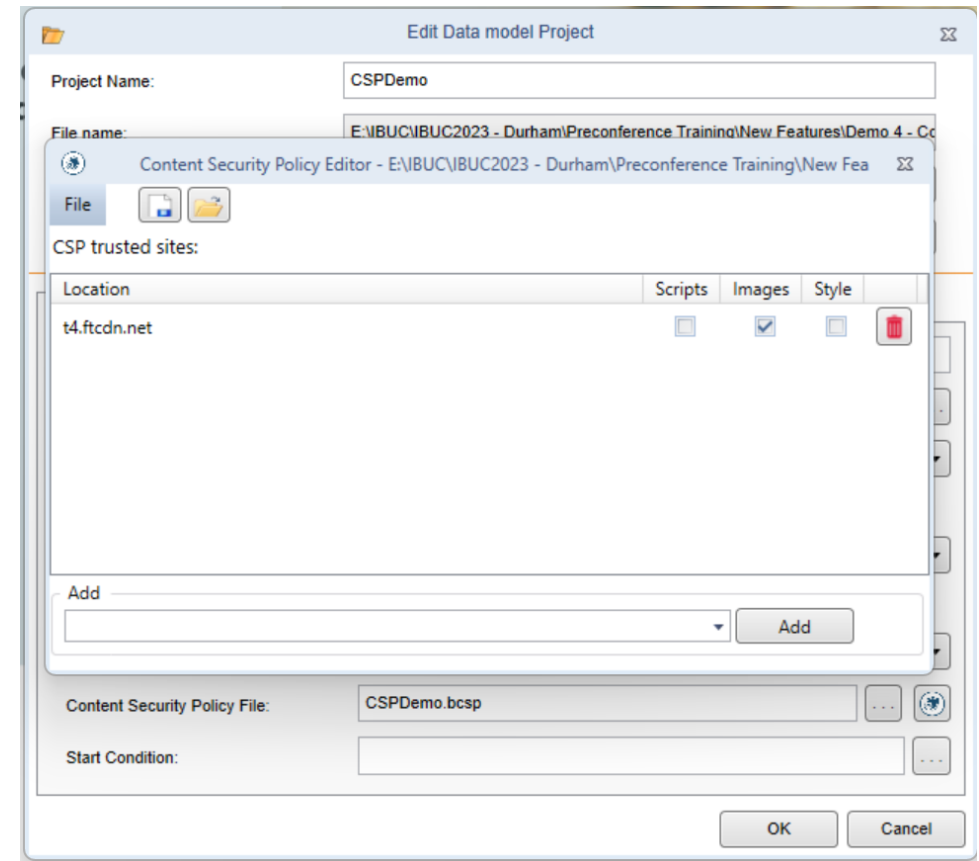
Content Security Policy

- For security reasons our web client is strict about what resources can be used (scripts, stylesheets, images)
- If you want to use external resources, you can specify them in a Content Security Policy file (.bcsp) for your project



Content Security Policy (2)

- Example: image on a fieldpane with SourceUrl on the domain 'https://t4.ftcdn.net'
- By default, for security reasons, links to resources outside the application are not allowed
- So you need to explicitly allow images from this domain
- Demo



Appointment control

- Support for



Appointment control

- Support was added for making soft appointments:
 - Period
 - Weekdays



Appointment control (2)

- After making a hard appointment:

Make an appointment using the calendar below

Survey days info			
Before current period	Total	After current period	Last survey day
4	14	5	Friday, November 3, 2023 ⓘ

< > OCTOBER 2023 DAY WEEK TIMELINE DAY TIMELINE WEEK

	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28
8:00 AM	Blocked						Blocked
8:15 AM	Blocked						Blocked
8:30 AM	Blocked						Blocked
8:45 AM	Blocked						Blocked
9:00 AM	Blocked						Blocked
9:15 AM	Blocked						Blocked
9:30 AM	Blocked		# 1				Blocked
9:45 AM	Blocked						Blocked
10:00 AM	Blocked						Blocked
10:15 AM	Blocked						Blocked
10:30 AM	Blocked						Blocked
10:45 AM	Blocked						Blocked

Date **Time** **Selected timeslot**

Date type: Time: Selected timeslot: No timeslot selected

Appointments in selected slot: 0



Appointment control (3)

- After making a soft appointment (period)

Make an appointment using the calendar below

Survey days info			
Before current period	Total	After current period	Last survey day
4	14	5	Friday, November 3, 2023 📅

< > OCTOBER 2023 DAY WEEK TIMELINE DAY TIMELINE WEEK

	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28
8:45 AM	[Greyed out]						[Greyed out]
9:00 AM							
9:15 AM							
9:30 AM				#1			
9:45 AM							
10:00 AM							
10:15 AM				#1	#1	#1	
10:30 AM							
10:45 AM							
11:00 AM							
11:15 AM							
11:30 AM							

Date **Time** **Selected timeslot**

Date type: Time: Selected timeslot: No timeslot selected

Appointments in selected slot: 0



Appointment control (4)

- After making a soft appointment (weekdays)

Make an appointment using the calendar below

Survey days info							
Before current period	Total	After current period			Last survey day		
4	14	5			Friday, November 3, 2023 ⓘ		

< > OCTOBER 2023 DAY WEEK TIMELINE DAY TIMELINE WEEK

	Sun 22	Mon 23	Tue 24	Wed 25	Thu 26	Fri 27	Sat 28
8:00 AM	Blocked				#1	#1	Blocked
8:15 AM	Blocked				#1	#1	Blocked
8:30 AM	Blocked				#1	#1	Blocked
8:45 AM	Blocked				#1	#1	Blocked
9:00 AM	Blocked				#1	#1	Blocked
9:15 AM	Blocked				#1	#1	Blocked
9:30 AM	Blocked		#1		#1	#1	Blocked
9:45 AM	Blocked		#1		#1	#1	Blocked
10:00 AM	Blocked				#1	#1	Blocked
10:15 AM	Blocked		#1	#1	#1	#1	Blocked
10:30 AM	Blocked		#1	#1	#1	#1	Blocked
10:45 AM	Blocked		#1	#1	#1	#1	Blocked

Date: [Exact date] Time: [Exact time] Selected timeslot: No timeslot selected
Date from: 24/10/2023 Time from: 08:45 Appointments in selected slot: 0

Reset Confirm

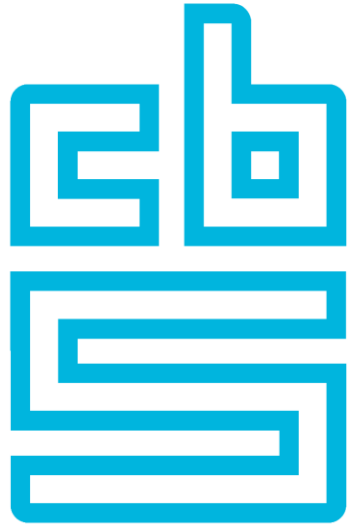


Appointment control (5)

- When selecting a slot that is already used (by hard appointments), the number of appointments already in that slot is shown

- Blaise 5.14 will offer:
 - Crew Settings that can be used to specify a maximum number of appointments allowed in a time slot
 - Filtering on hard/soft appointments





Blaise

Gaining deeper understanding



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