

Blaise Team Presents

April 13, 2015



Centraal Bureau
voor de Statistiek

Agenda

- What have we done since the last IBUC
- What are we working on right now
- What are we going to work on in the (near) future



What have we done since the last IBUC

- New release every three months
- Involvement in Blaise 5 projects
 - Statistics Netherlands
 - Cyprus
 - United Kingdom (ONS)
 - University of Michigan
 - US Census Bureau
- New Features

New Features

- Language Enhancements
 - Alien procedures
 - Text roles
 - Check section
 - Rich Text Fills



New Features

- Layout
 - New Controls
 - Section templates
 - Lookup Textbox
 - Enumeration Textbox
 - Number Slider
 - Page-level Error Texts
 - LanguageSelector, ParallelTabs and IndexControl alternatives
 - New Properties
 - CornerRadius for buttons and panels
 - Watermark for input controls
 - Tooltips for all controls
 - Tables, shapes and buttons in question texts
 - New Functionality
 - Automatically apply group templates
 - Runtime fonts
 - Page breaks for table groups
 - Layout API



New Features

- Behaviour
 - Clickable Category Texts
 - OnLoad event for page templates
 - Consistent action behaviour (URI or list of actions)
 - Conditional actions
 - General template parameters
 - ScreenReaderText for all controls
 - AutoEnter property for input controls
 - OnValueChanged event for input controls



New Features

- Data
 - In-Depth & Flat-Blocks data partition types
 - Record Locking



New Features

- Server Manager
 - Server Manager API
 - Creation of pages can be postponed until installation of a package



New Features

- Runtime
 - Audit Trail
 - Session Role
 - Server Variables
 - Change communication protocols that the services use



New Features

- Control Centre
 - Bookmarks
 - Warnings in green squiggly lines
 - Instrument Builder supports creating packages

New Features

- Data Entry Clients
 - Section 508 compliancy
 - Client-side rules
 - Alien routers (Data Entry API)
 - iOS App
 - Android App



Customization of Data Entry Program

- Blaise 4
- Design Considerations
- Blaise 5
- Demo

Blaise 4

- Alien Routers:
 - Specified in Blaise Datamodel.
 - Triggered by navigating in DEP.
 - Executed by DEP.
 - Windows platform only.

Blaise 4 DEP

Alien Router

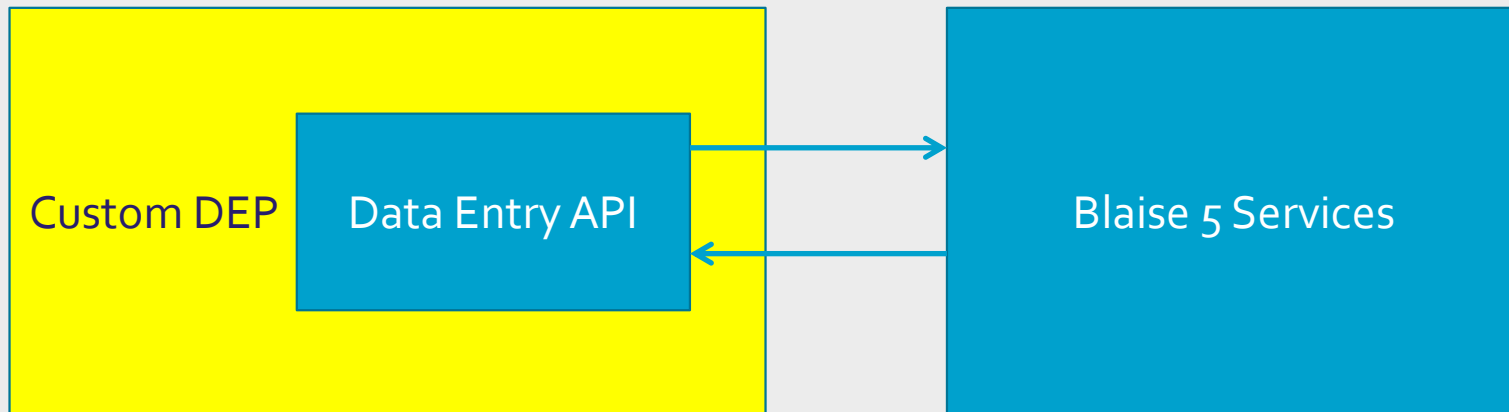
Design Considerations

- Multi platform: custom code per platform
- Enhance flexibility:
 - No specification in Datamodel
 - Not controlled by standard DEP
- Data Entry API:
 - Basis for building your own custom DEP
 - Several levels of customization
 - Supported platforms: Asp.Net, Windows



Data Entry API

- Executes actions
- Updates Interview State and Session Data
- Fires Events



Levels of Customization

- Modify standard controls:
 - Set non-standard properties
 - Modify URI: refer to Medium from Resource Database
- Specify custom Actions:
 - Triggered by Data Entry API
 - Executed by Custom Application
- Create custom controls:
 - Control Definition
 - Related Data Object (i.e. Data Field, Category)



Demo

- Balls and Bins:
 - Multiple related Custom ASP Controls
 - Additional general Custom JavaScript:
 - Parameters depend on actual questions
- Custom Windows DEP:
 - General Menu Part (depends on actual questions):
 - Set Special Answers (Don't Know, Refusal)
 - Edit small numerical range Field
 - End of Questionnaire Event

Facilities for Customization

- Resource Editor:
 - Extend Control with:
 - Custom Properties
 - Custom Actions
- Control Centre:
 - Specify custom package for Web Application
- Server Manager:
 - Install custom Web Application



Current Status

- Not complete yet:
 - Some controls cannot be customized
 - Some properties/objects are not implemented
- Possible extensions:
 - More events
 - Support whole custom Page



What are we working on right now

- Printing questionnaires
- Manipula
- Explorer window
- Performance enhancements
- Server Manager extensions



What are we going to work on

- Server Side events
- Keystroke management
- Audio & Video Support
- Mode Specific Attributes
- Multi Mode Case Management (basic functionality)
- CATI
- MVC ASP.NET client
- CARI
- Field properties
- Menu
- Layout language

