

What is Service Studio?

Service Studio is a low-code visual development environment that is the Integrated Development Environment (IDE) for the OutSystems platform

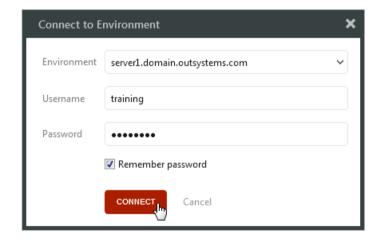
Service Studio allows developers to...

- Define the data structures used by the app
- Create the user interfaces for web and mobile apps
 - modify or create CSS as needed for the interfaces
- Define business logic needed by apps
- Define business processes and timers (batch processes)
- Create, edit, update, publish, view and debug their apps in the cloud



Service Studio Install & Connect

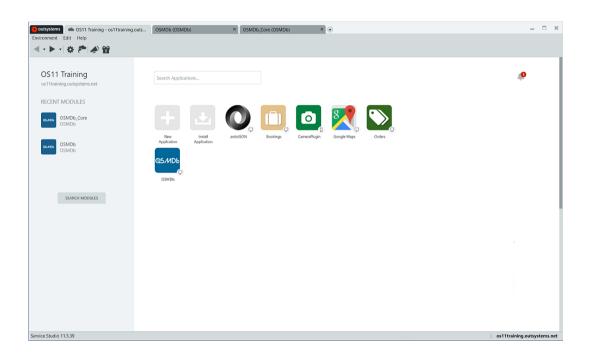






Environment tab - Applications

- Lists apps in the server
- Create new applications
- Install applications from the Forge
- Open an application
 - Get latest version from the platform server





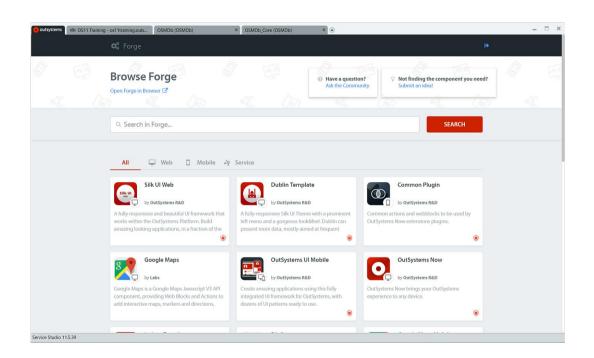
OutSystems Forge Tab

Open source apps & add-ons free to download

- Searchable
- Categorized
- Mobile apps
- Web apps

Resource details

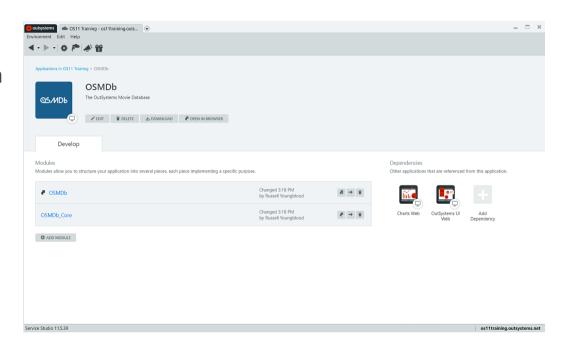
- Ratings
- Downloads
- Featured
- Supported





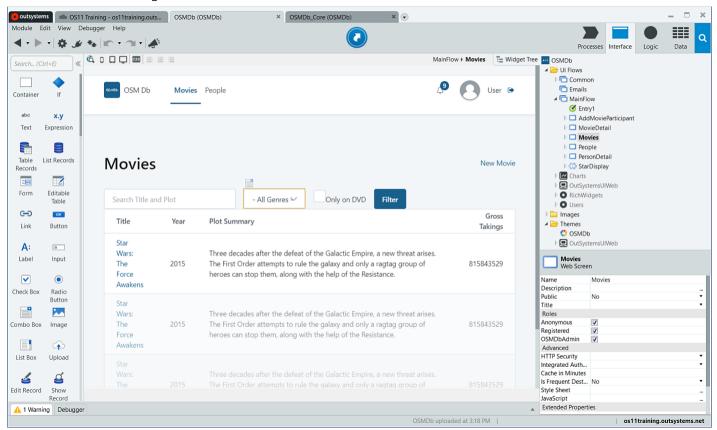
Environment tab - Application Details

- Application Info
 - Name, description & icon
 - Open in browser
- Modules tab
 - Modules in this app
- Dependencies
 - Modules referenced



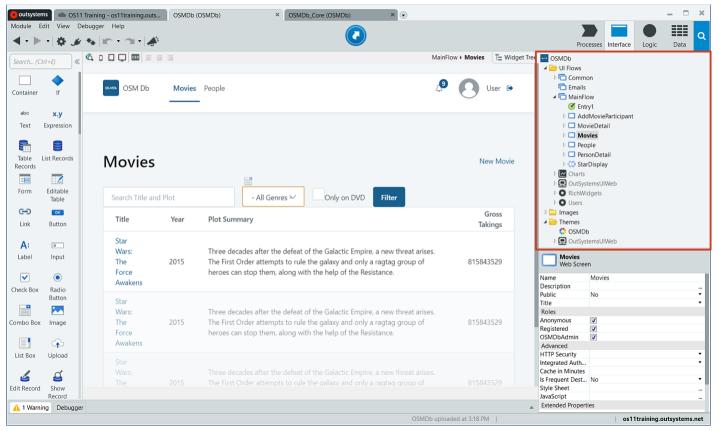


Module Workspace Tab





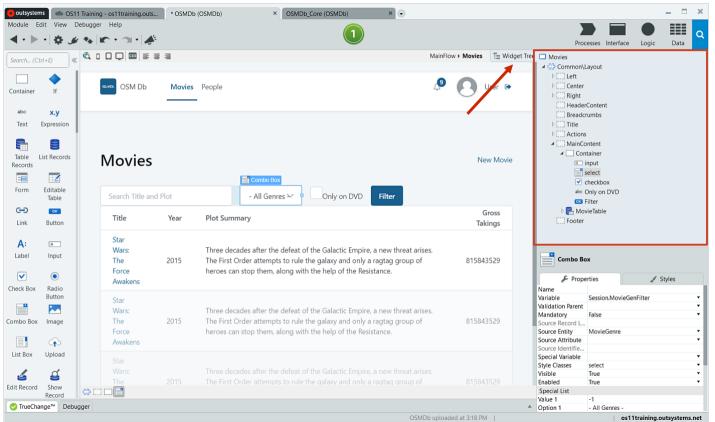
Elements Tree Area



Elements Tree area



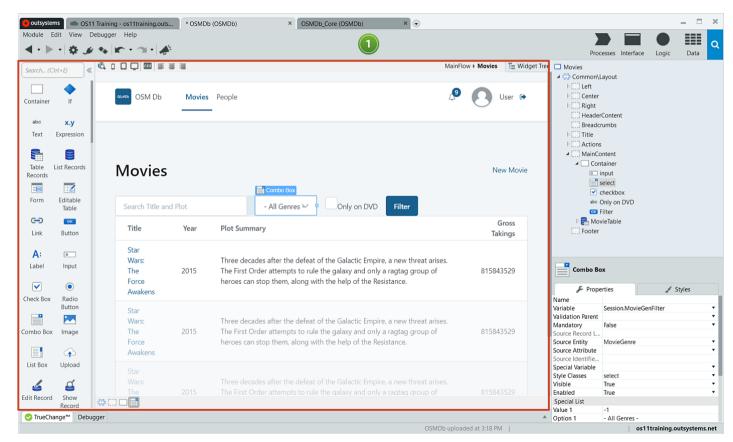
Widget Tree Area



Widget
Tree area



Editor Area



Editor area

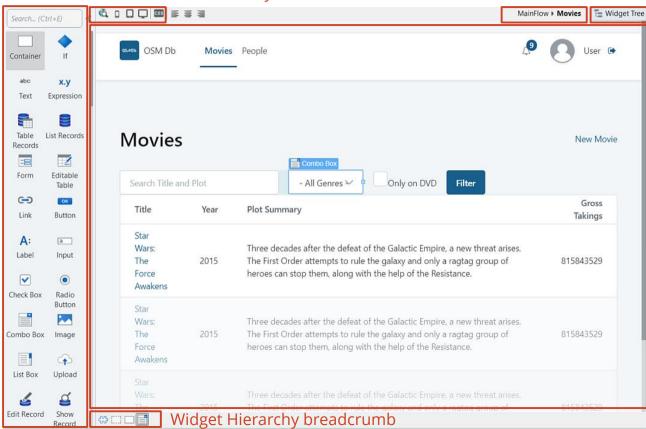


Screen Editor Area

Toolbox

(widgets)

Views and Styles Edited Element Breadcrumb

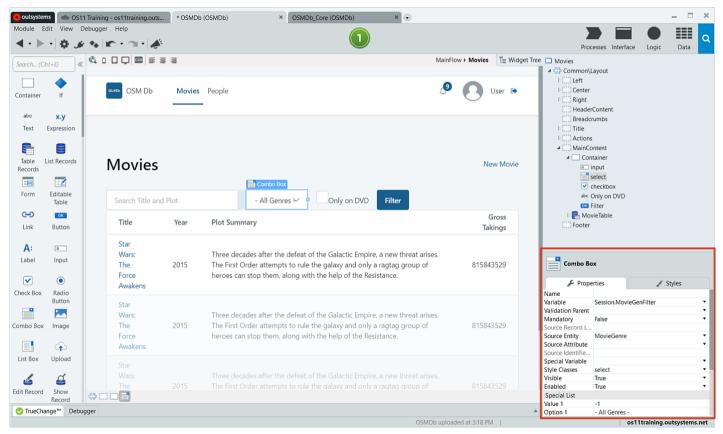


Show

Widget Tree

Canvas

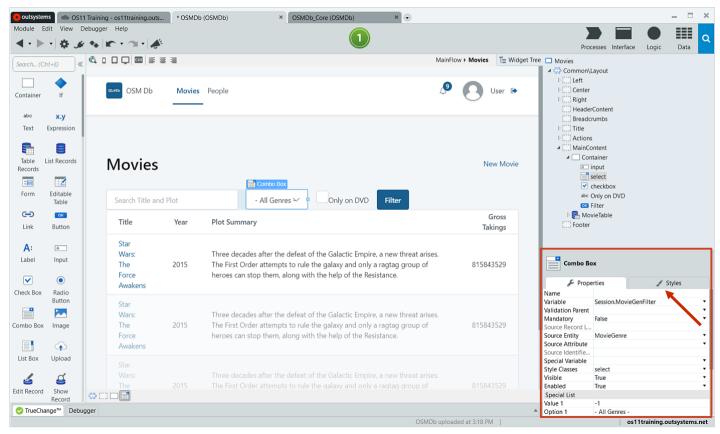
Properties Area



Properties area



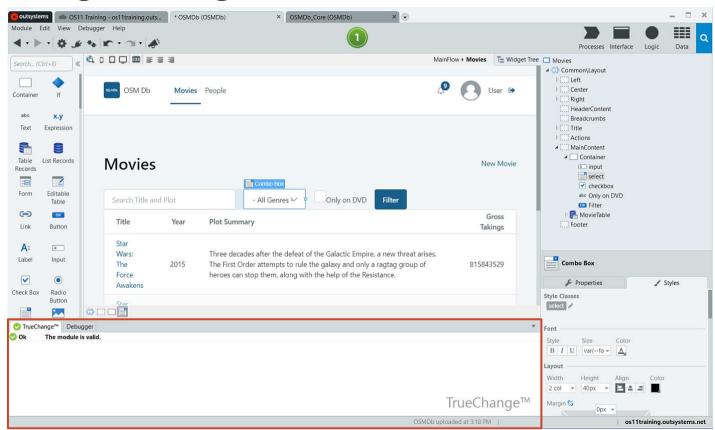
Properties Area



Styles Editor area



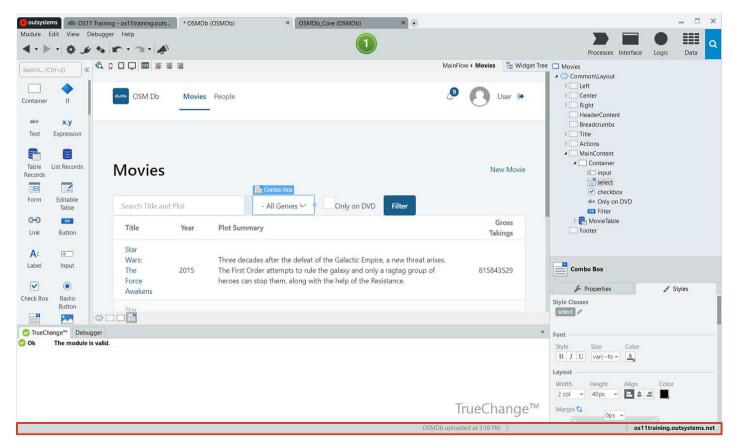
TrueChange, Debug & 1-Click Publish Area



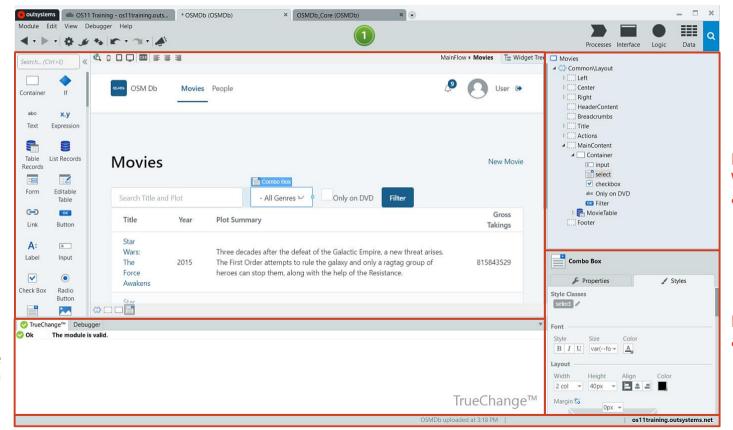
TrueChange Debug area



Status Bar



Service Studio Environment



Elements / Widget Tree area

Properties area

TrueChange Debug area

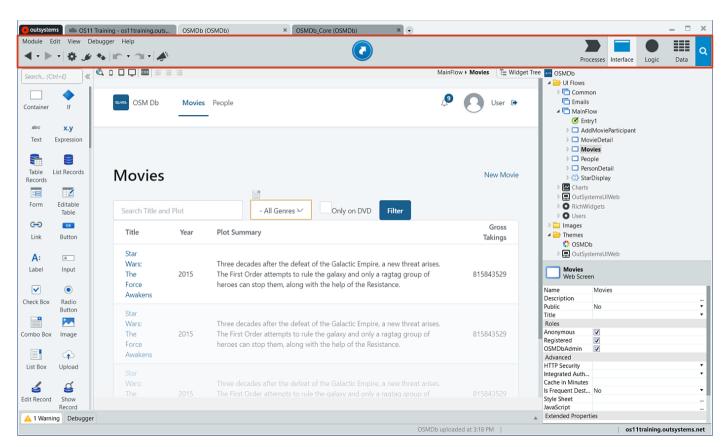
Editor

area



Menu bar

Menu bar





Menu bar



- Menus Module Edit View Debugger Help
 - Module, Edit, View,Debugger & Help
- Icons/Buttons
 - Back/Forward to (editors)
 - Module management
 - Manage dependencies
 - Compare and merge
 - Undo/Redo (changes)





Layers



- Processes Processes & Timers
- Interface Themes, Screens, etc.
- Logic Actions, integrations, roles
- Data Entities, Structures, etc.

Search



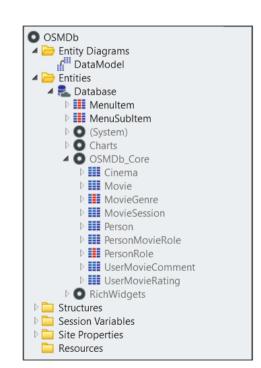




Data layer (Ctrl + 4)



- Entity Diagrams
- Entities database stored data
- Structures in memory data
- Session Variables user specific, cross app data
- Site Properties cross user, cross app data
- Resources other data



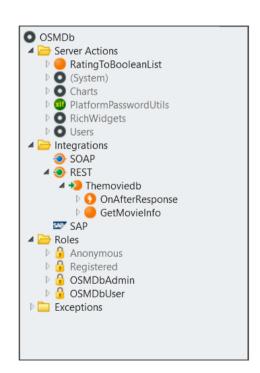




Logic layer (Ctrl + 3)



- Server Actions globally callable code
- Integrations
 - SOAP & REST Web Services
 - SAP SAP connector/integration
- Roles security Roles
 - Anonymous, Registered and custom
- Exceptions



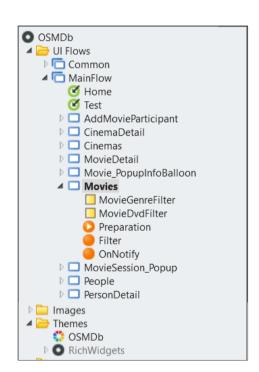




Interface layer (Ctrl + 2)



- UI Flows
 - Screens
 - Patterns
- Images graphics, icons, etc.
- Themes base look and feel



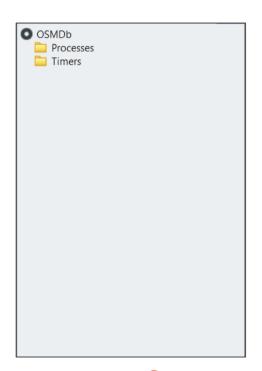




Process layer (Ctrl + 1)

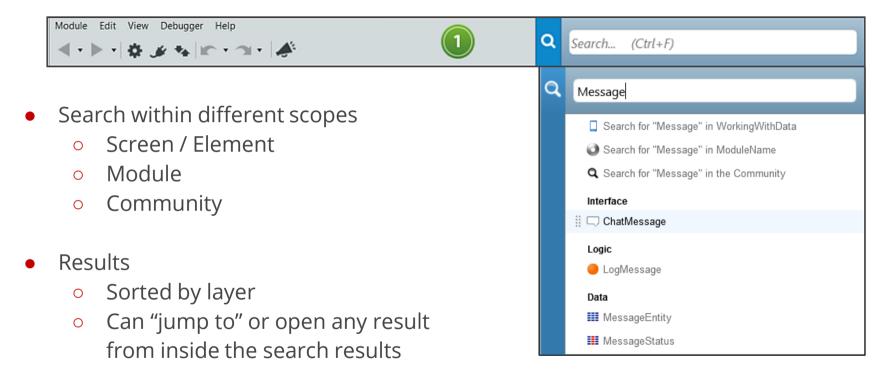


- Processes
 - Business Processes
 - Human & automated Tasks
 - Decisions, Events & Waits
- Timers
 - Scheduled actions (specific time)
 - Intervals (daily, weekly,etc.)
 - Priorities
 - Timeouts



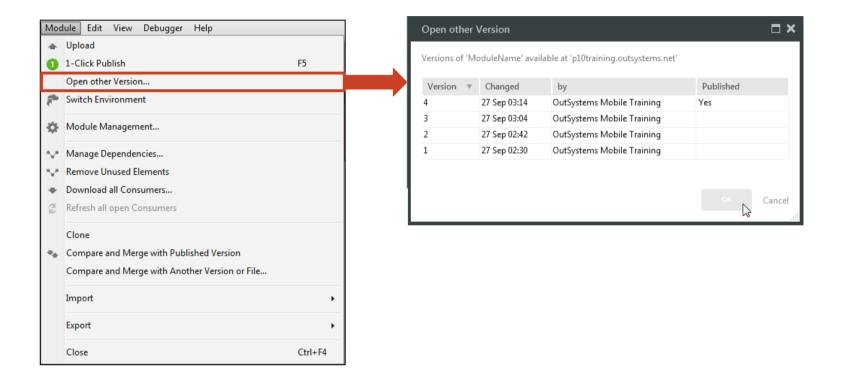


Search (Ctrl + F)



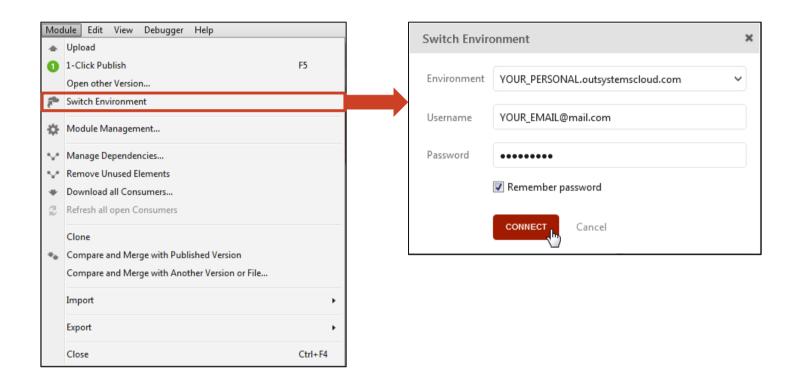


Module menu: Open other Version...



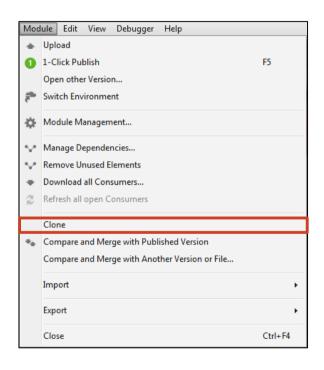


Module menu: Switch environment





Module menu: Clone

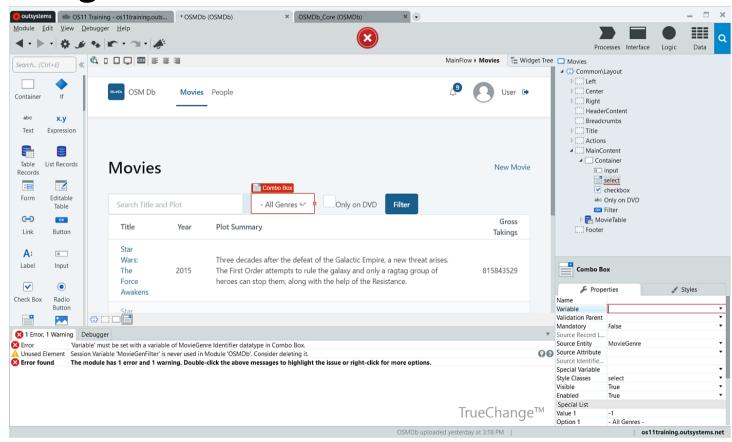


- What is cloning?
 - Creates a copy of the module
 - ModuleName > CloneOfModuleName
 - Clone get a new module Id
 - Duplicates all module resources
- Why use cloning?
 - Refactoring
 - Splitting a module in 2 or more modules



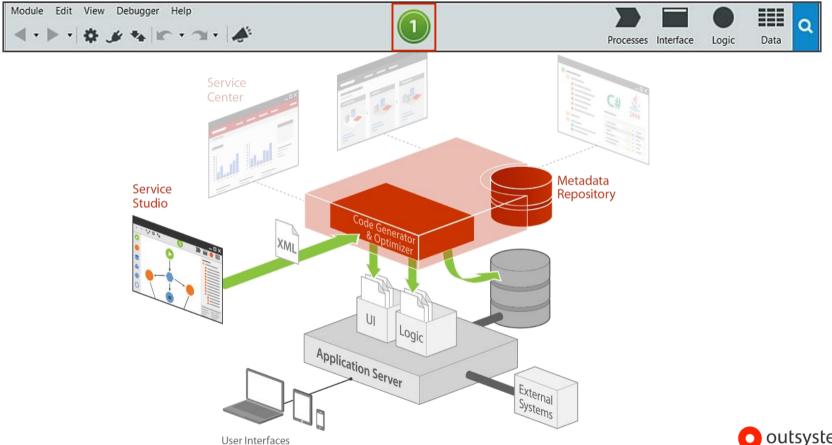
Publishing to Server

TrueChange



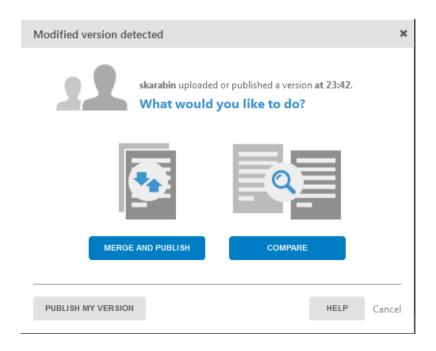


1-Click Publication to Server



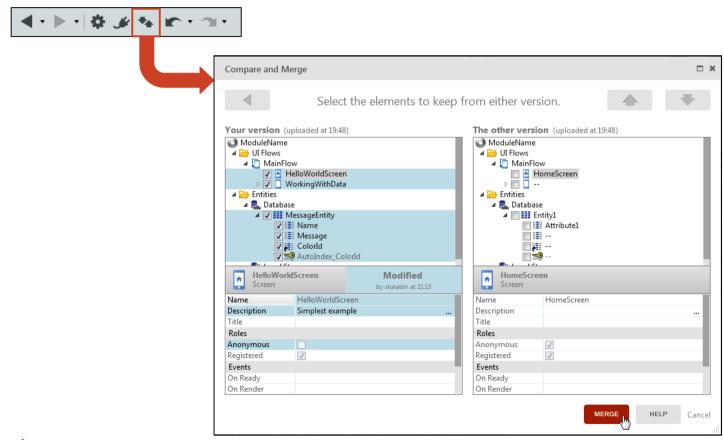
Compare and Merge

Support for collaborative development over the same application modules





Compare and Merge (cont.)





1-Click Publication to Server (cont.)

