

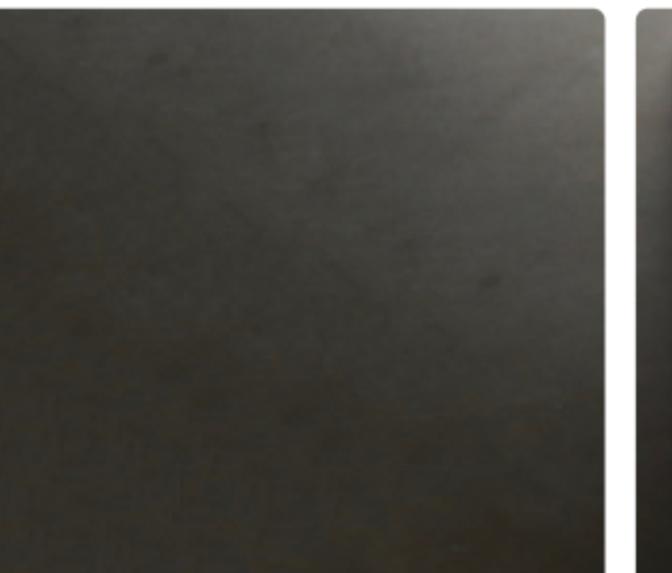
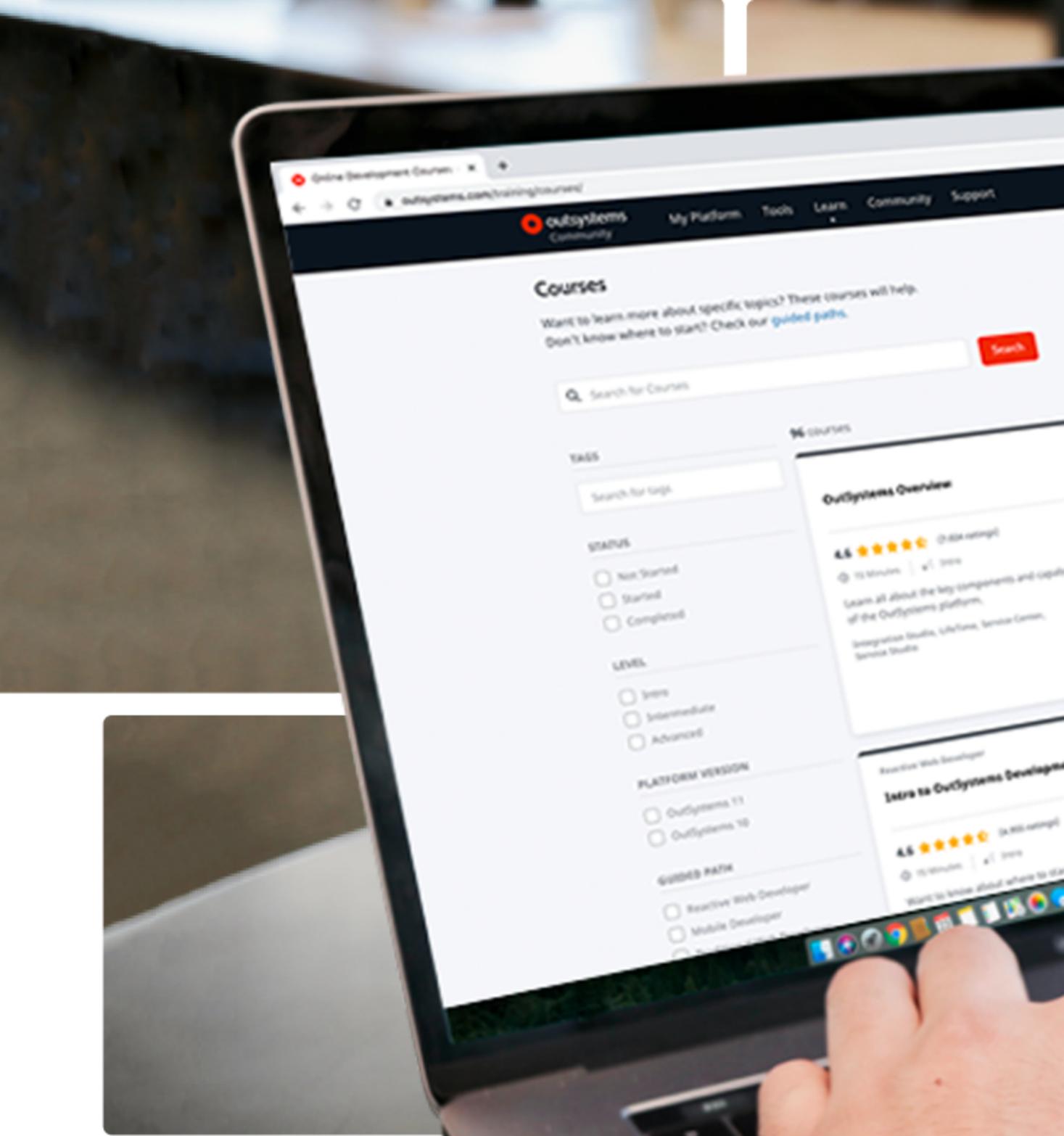


# Logic Actions

What is an Action?

Action Flows

Code Reusability

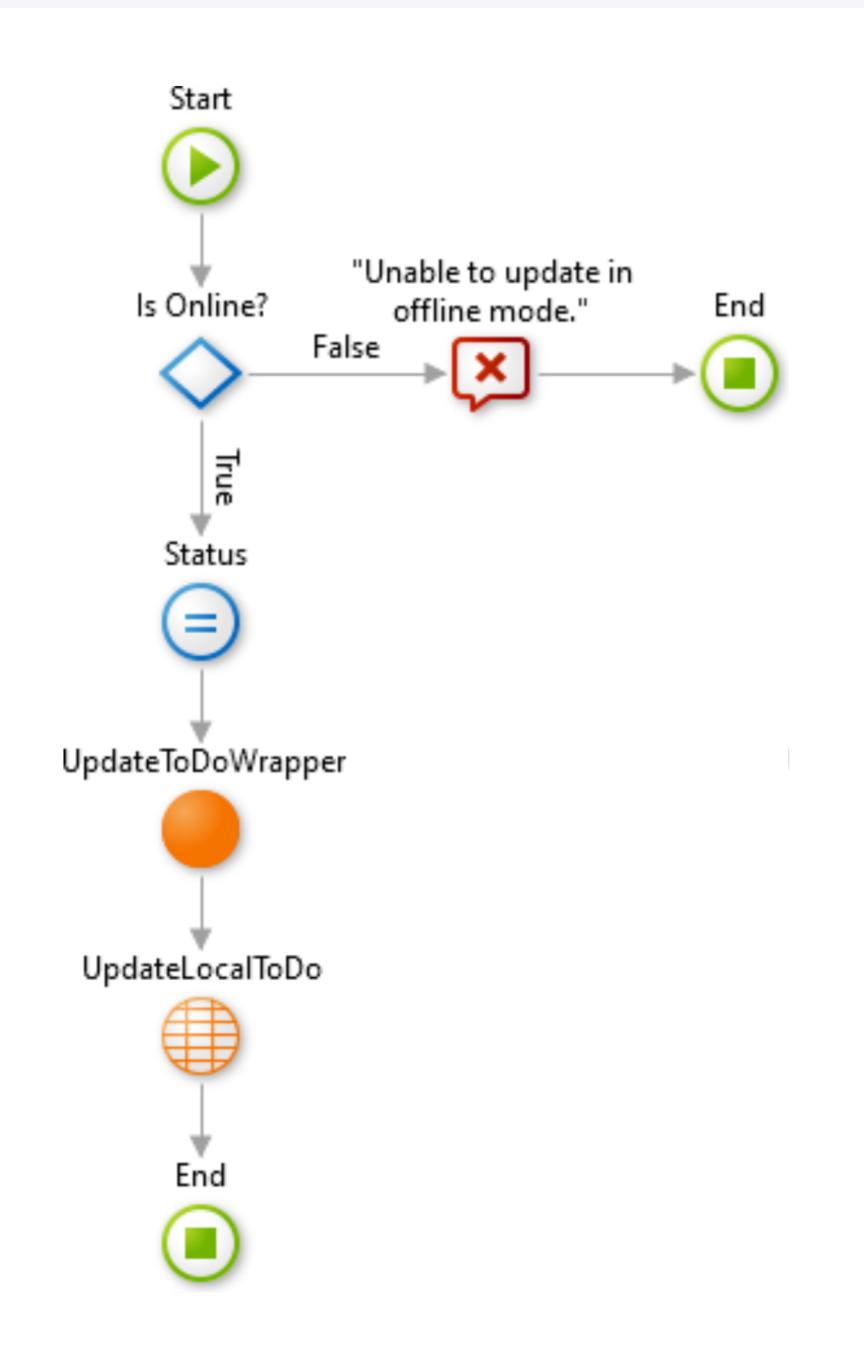


# What is an Action?

An **Action** is an element that **allows us to define logic flows** that run on the server or client-side

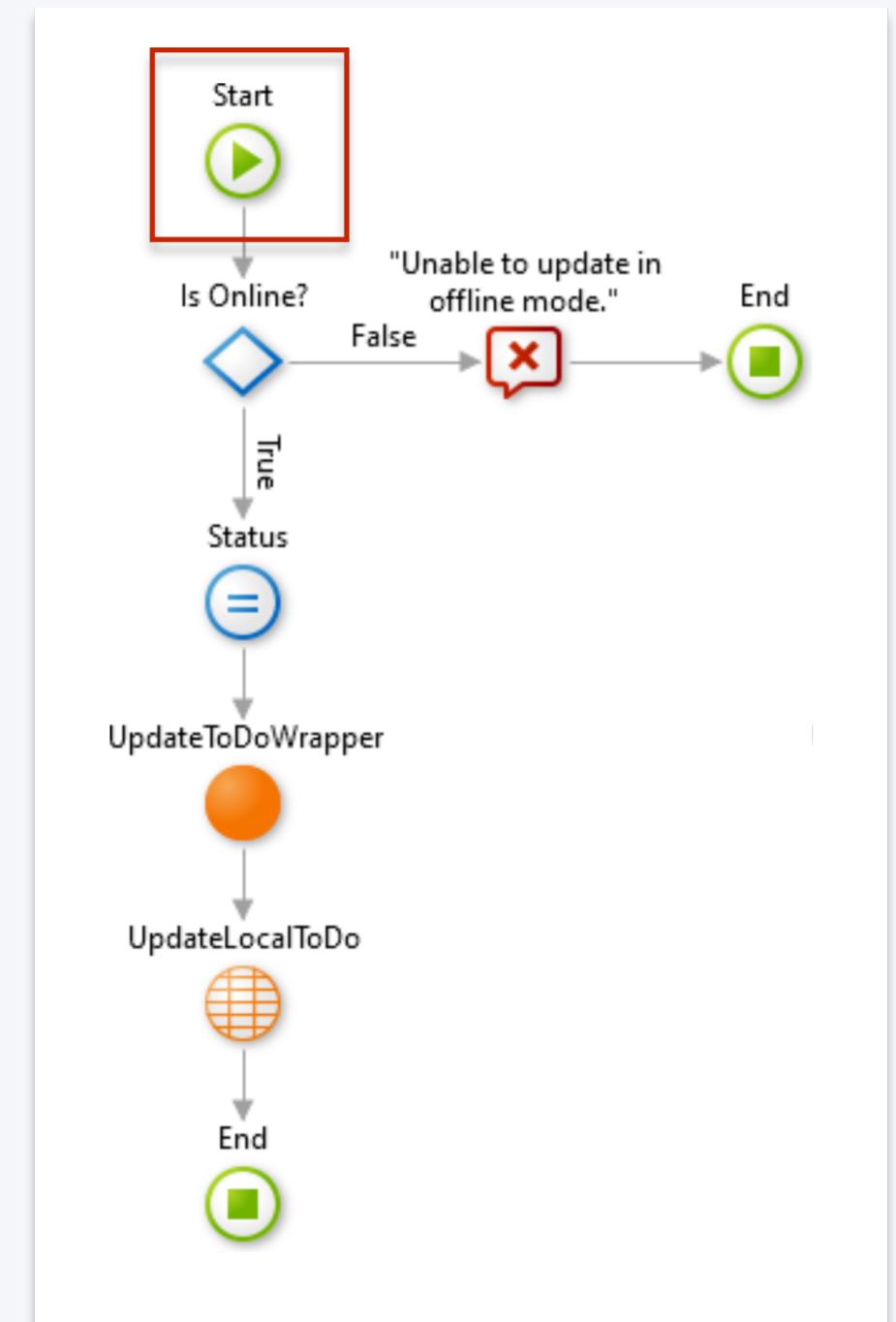
# Action Flows

- An Action Flow is where a piece of logic is defined



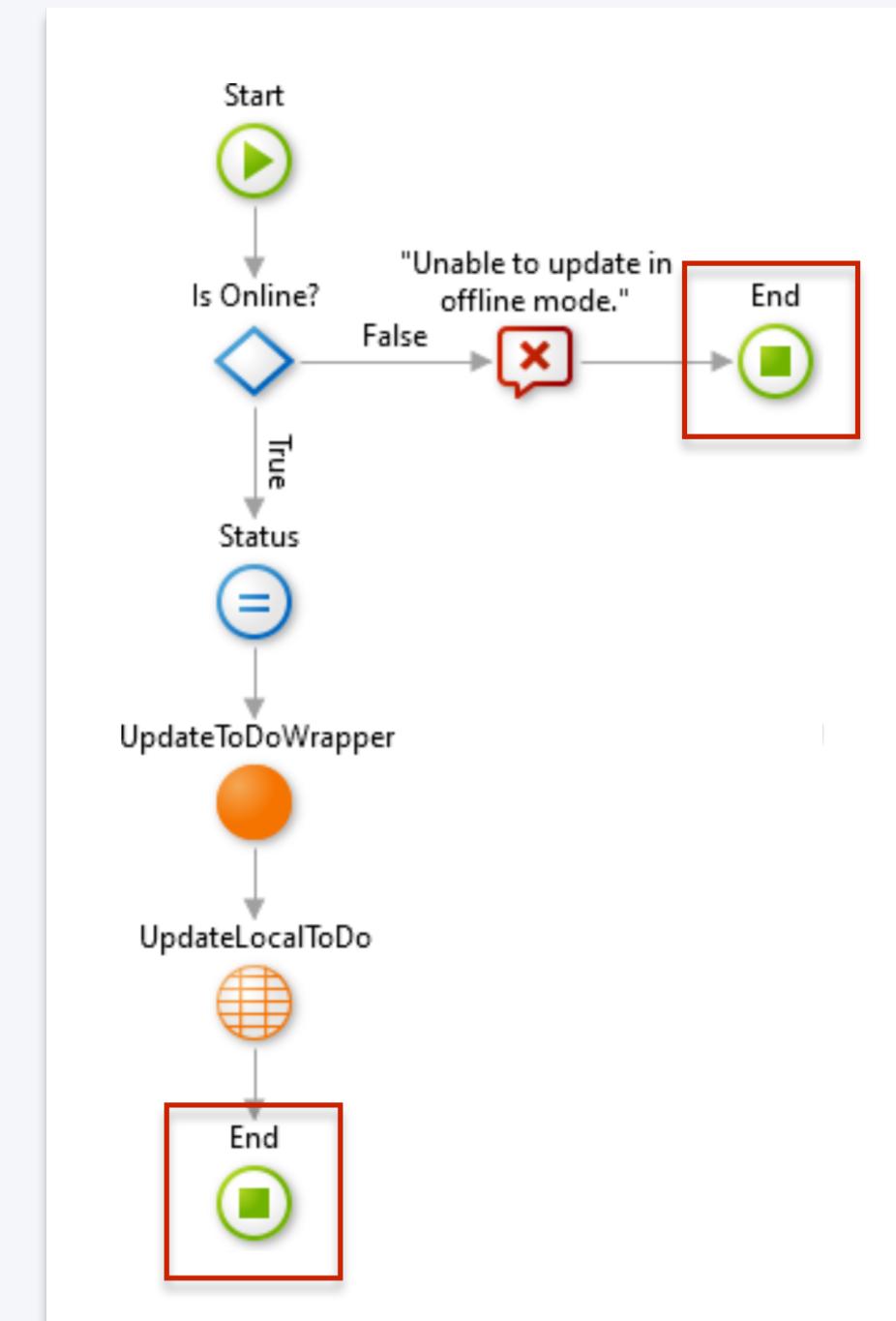
# Action Flows

- An Action Flow is where a piece of logic is defined
- It can only have one Start node



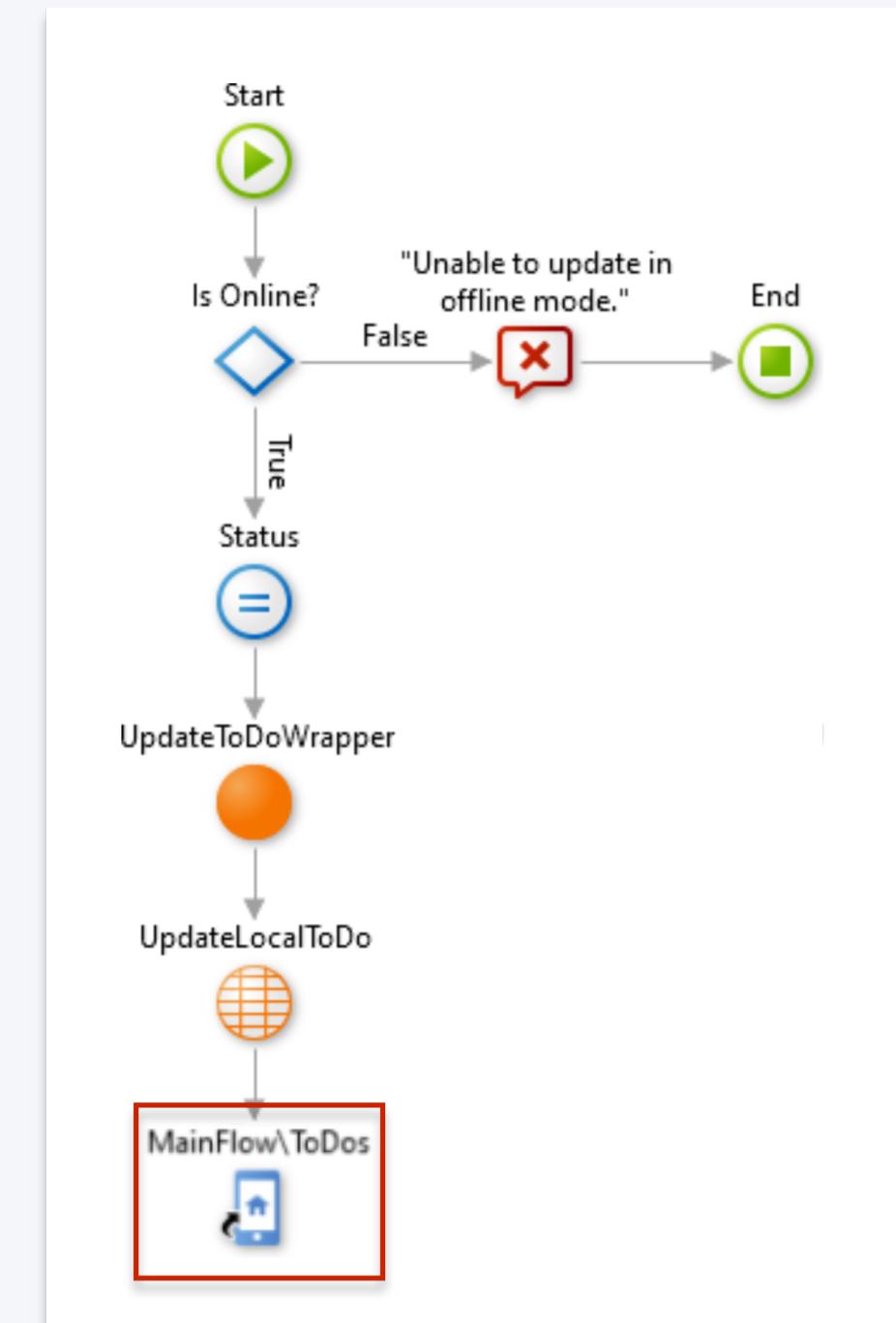
# Action Flows

- An Action Flow is where a piece of logic is defined
- It can only have one Start node
- Every Action Flow can end with multiple nodes
  - End
  - Destination (Screen Actions only)
  - Download (Screen Actions only)



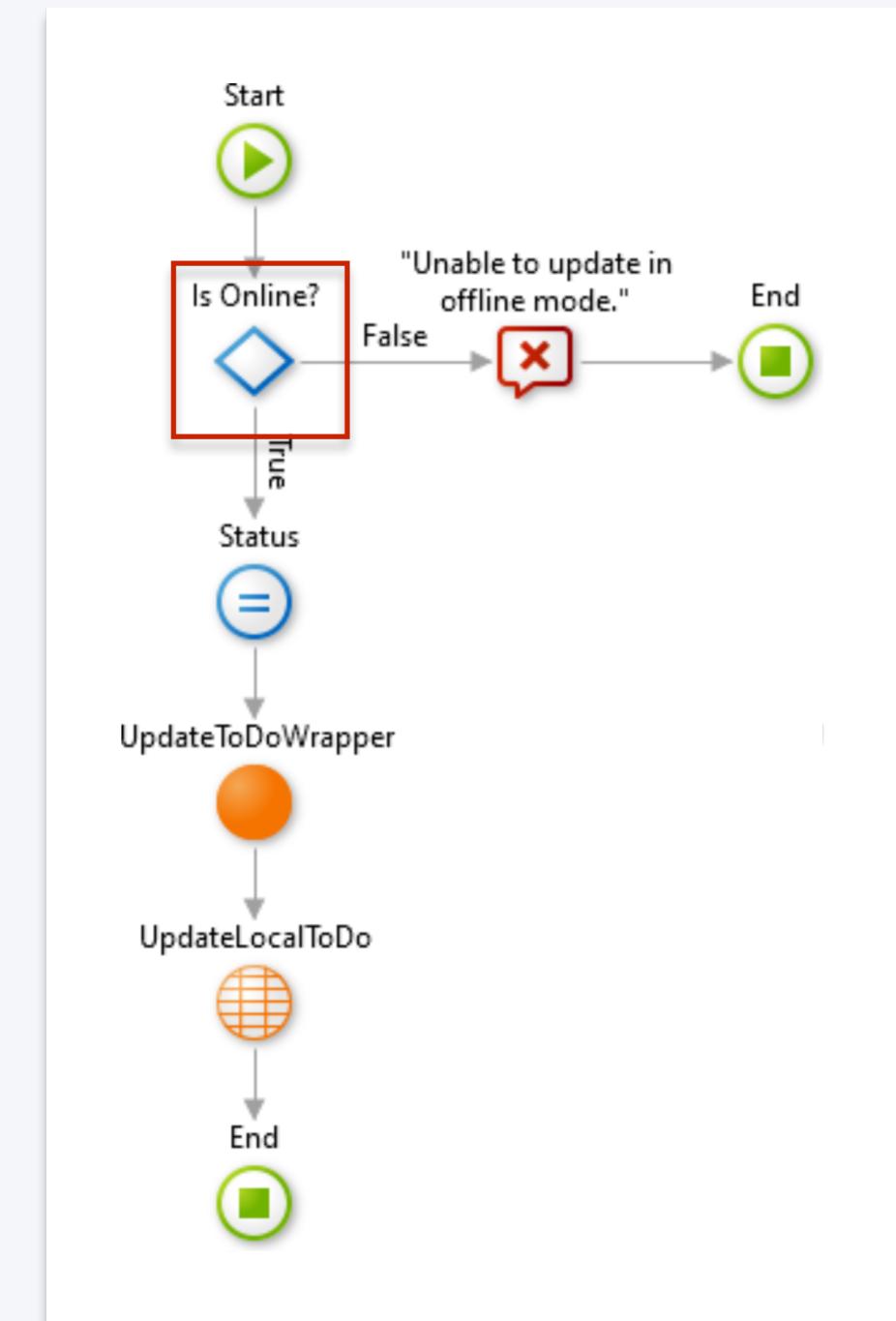
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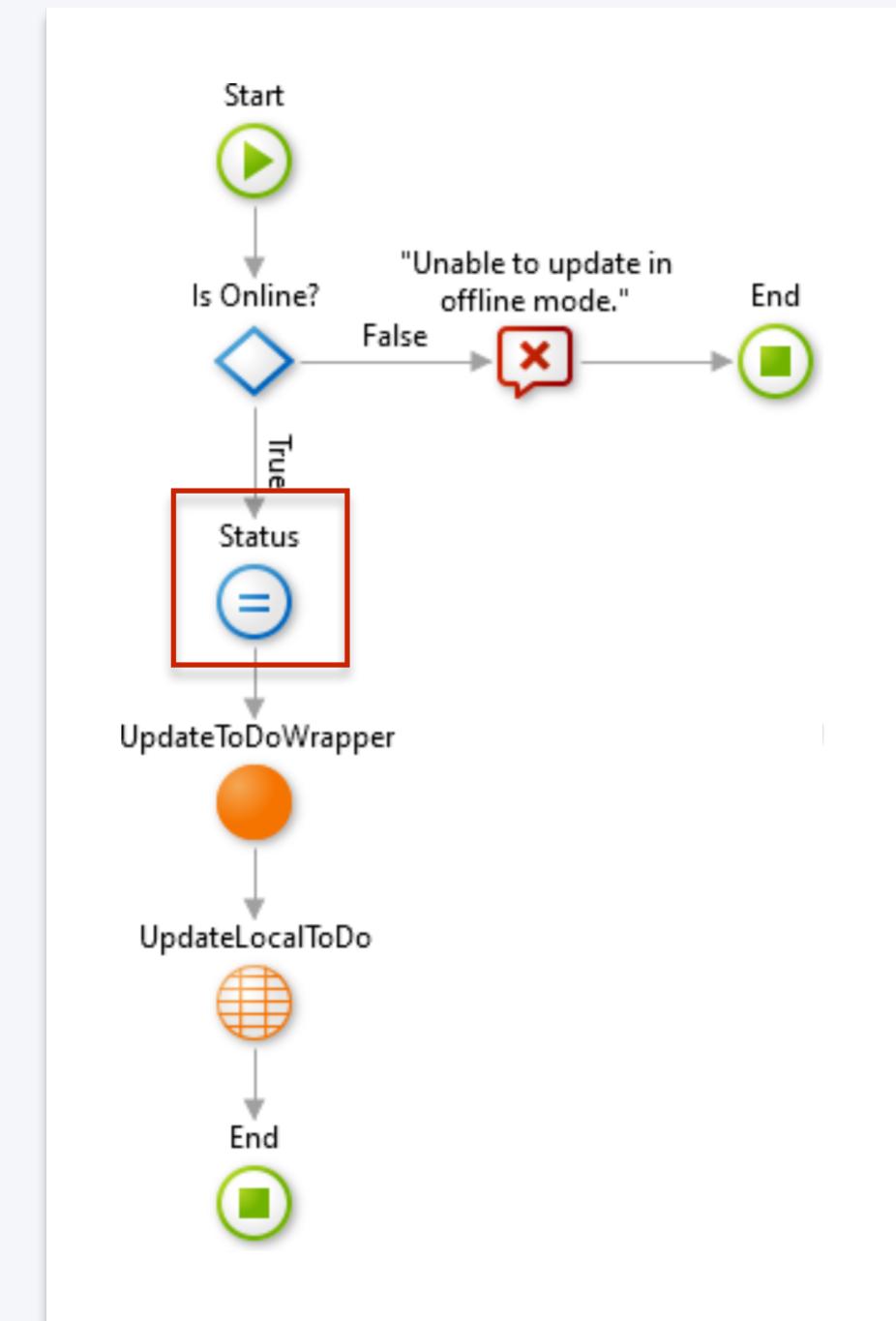
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# Actions



Screen Actions

Logic specific  
to a single screen

# Actions



Screen Actions

Logic specific  
to a single screen



Client Actions

Logic to be used  
on the device

# Actions



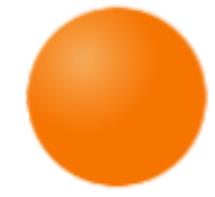
Screen Actions

Logic specific  
to a single screen



Client Actions

Logic to be used  
on the device



Server Actions

Logic to be used  
on the server

# Code Reusability



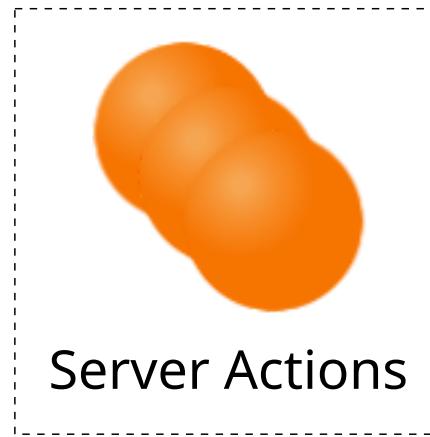
Screen Actions

Logic specific  
to a single screen



Client Actions

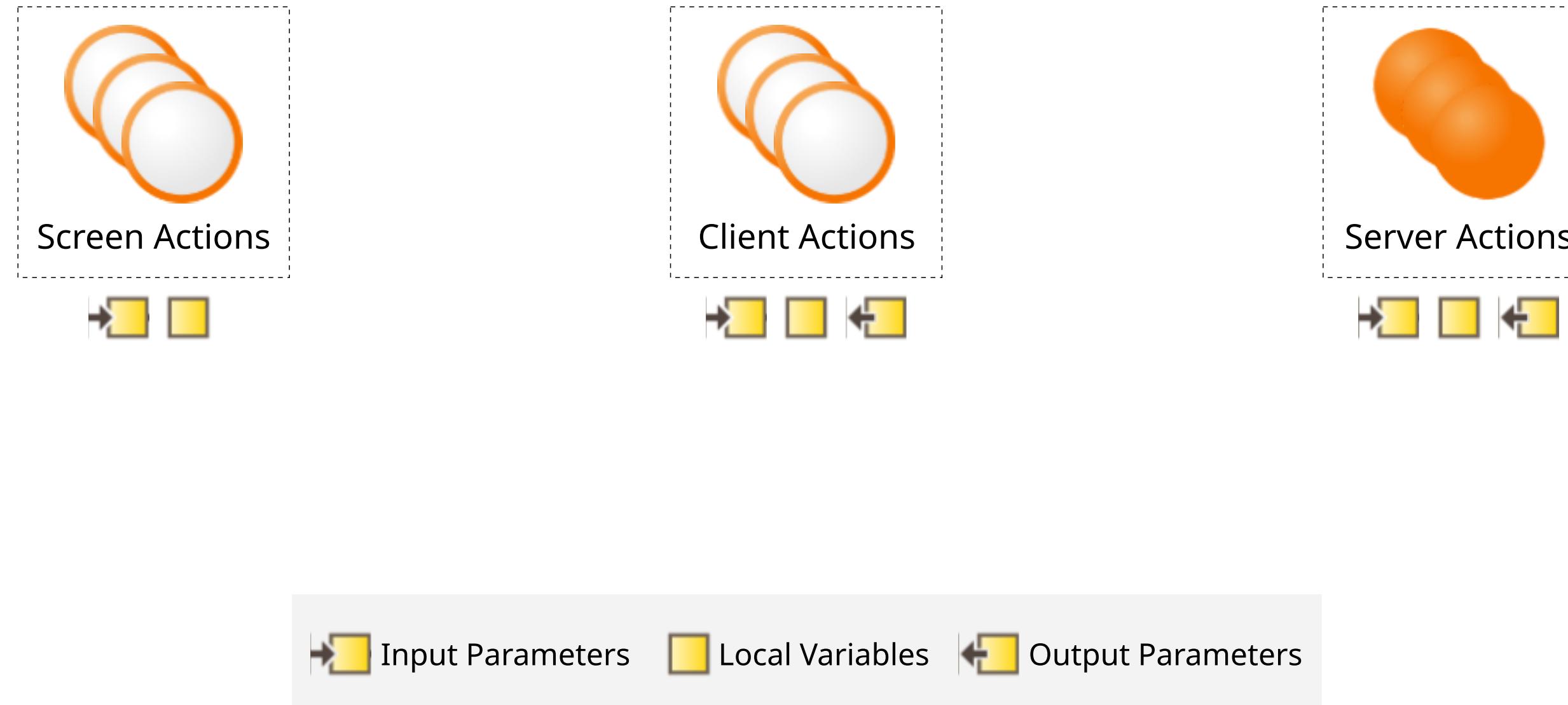
Logic to be used  
on the device



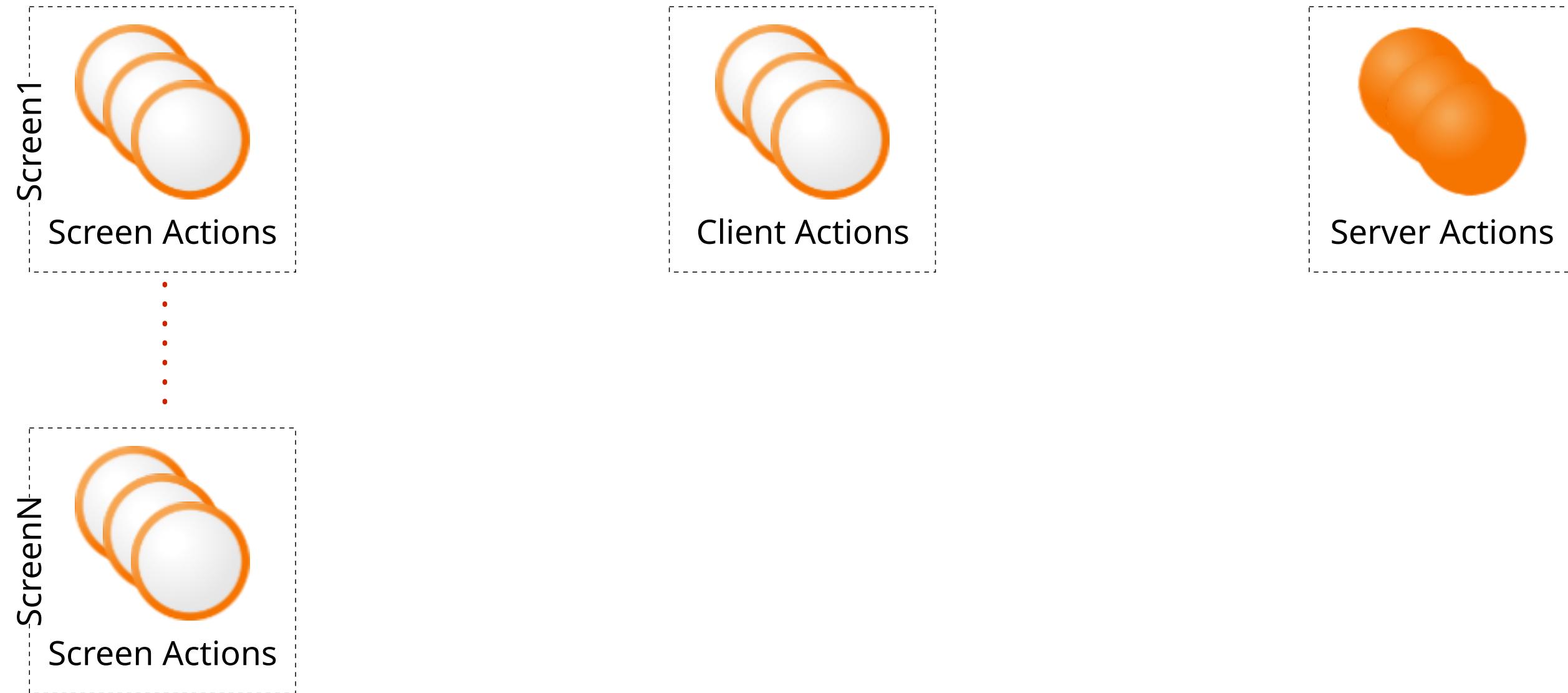
Server Actions

Logic to be used  
on the server

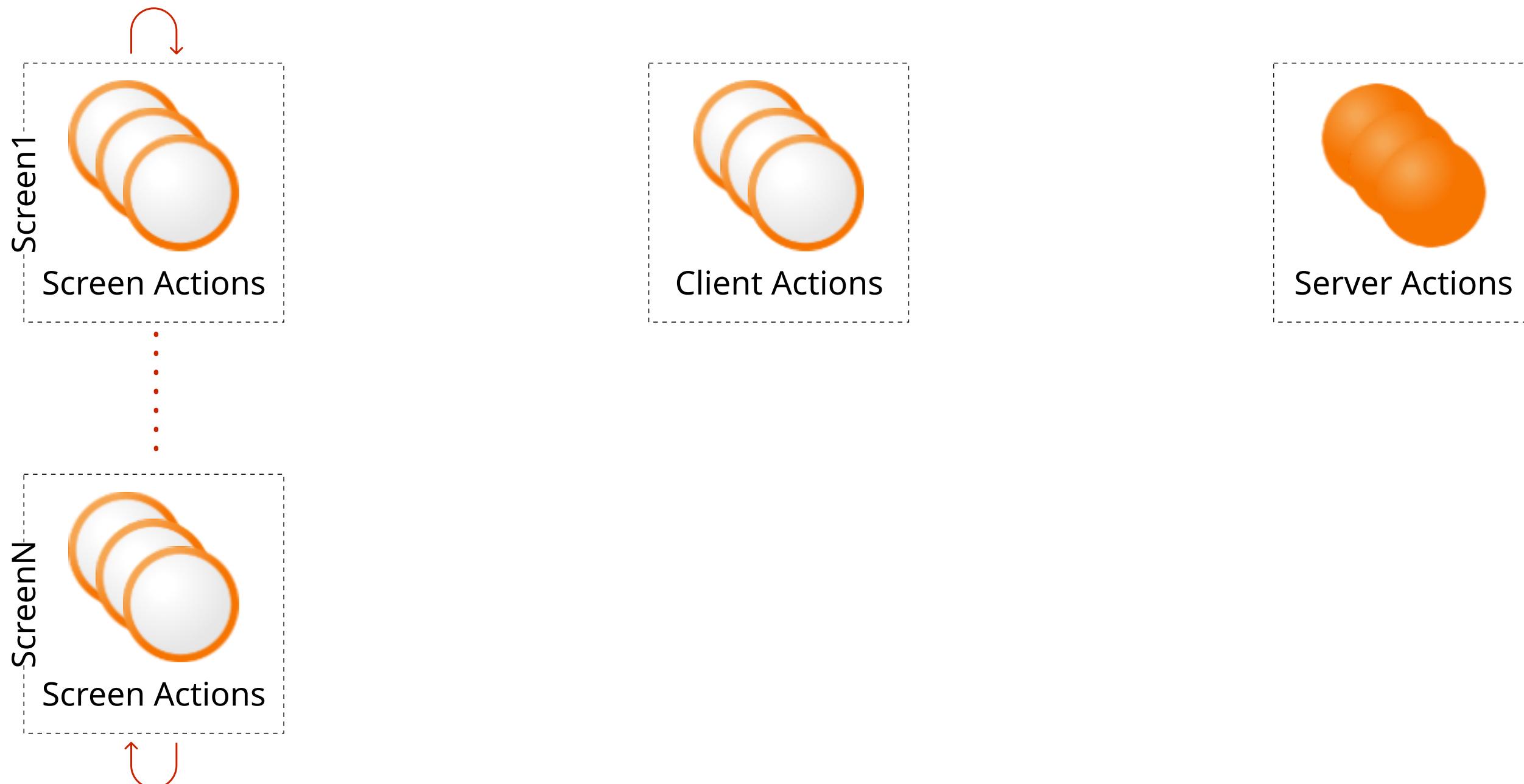
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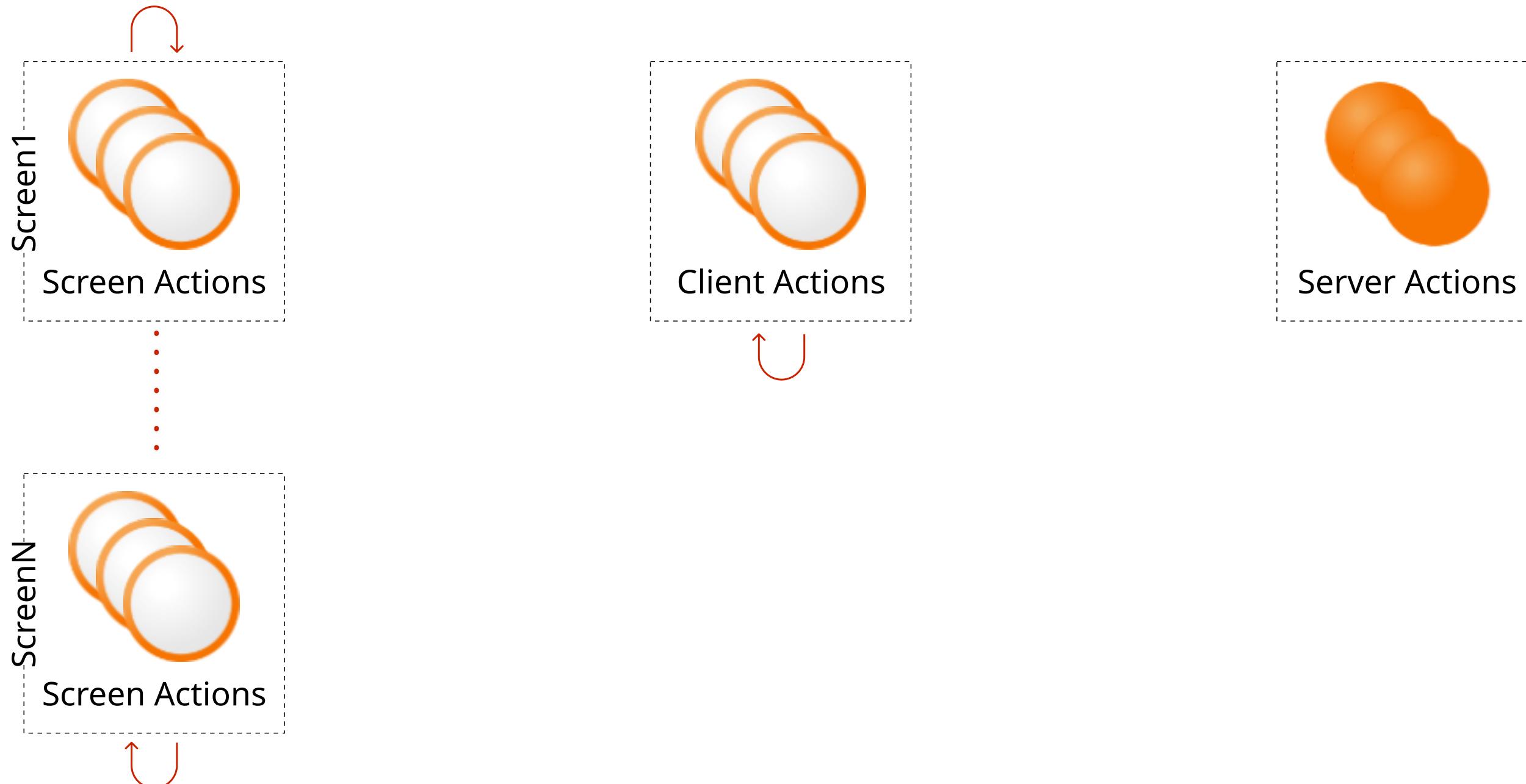
# Code Reusability



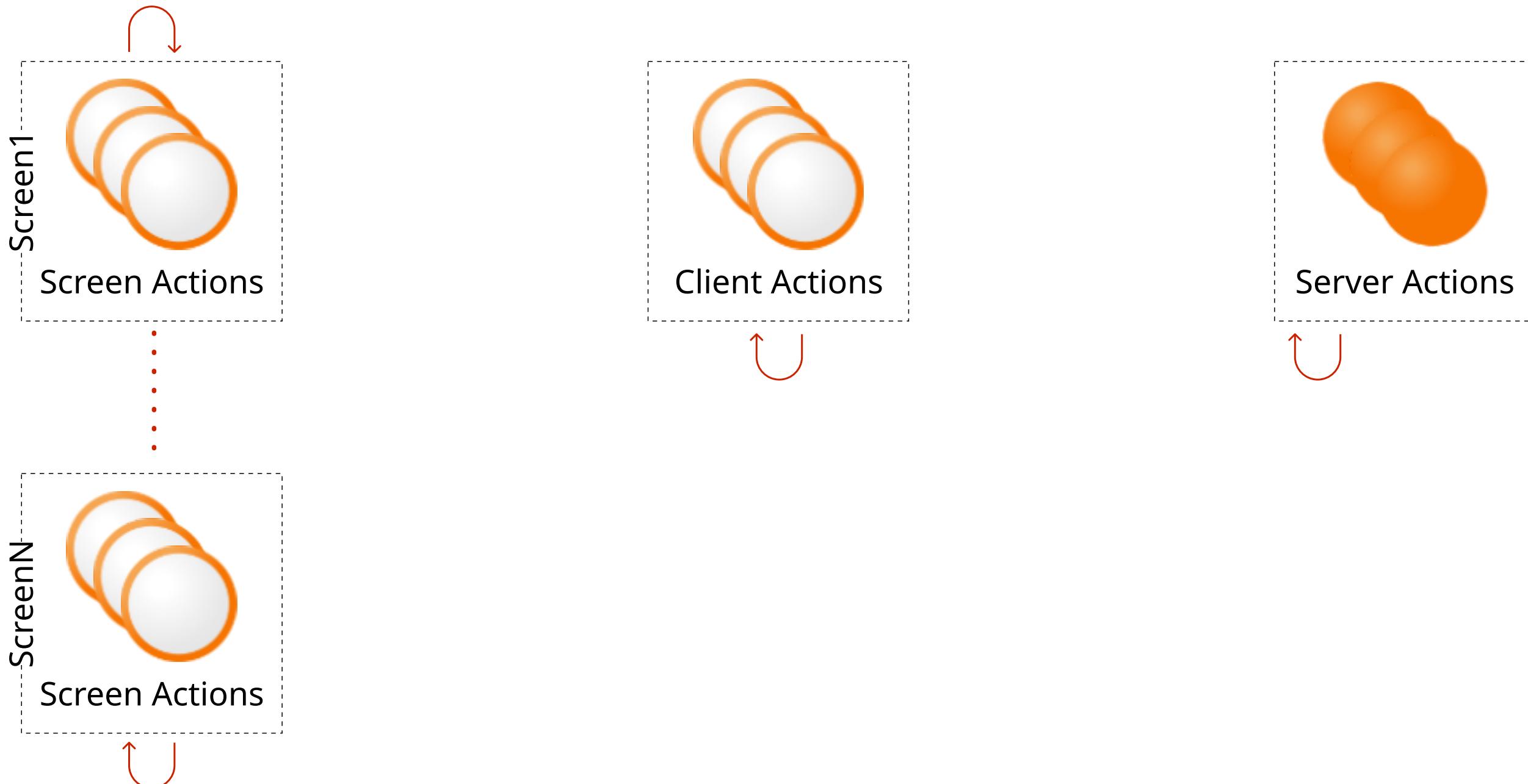
# Code Reusability



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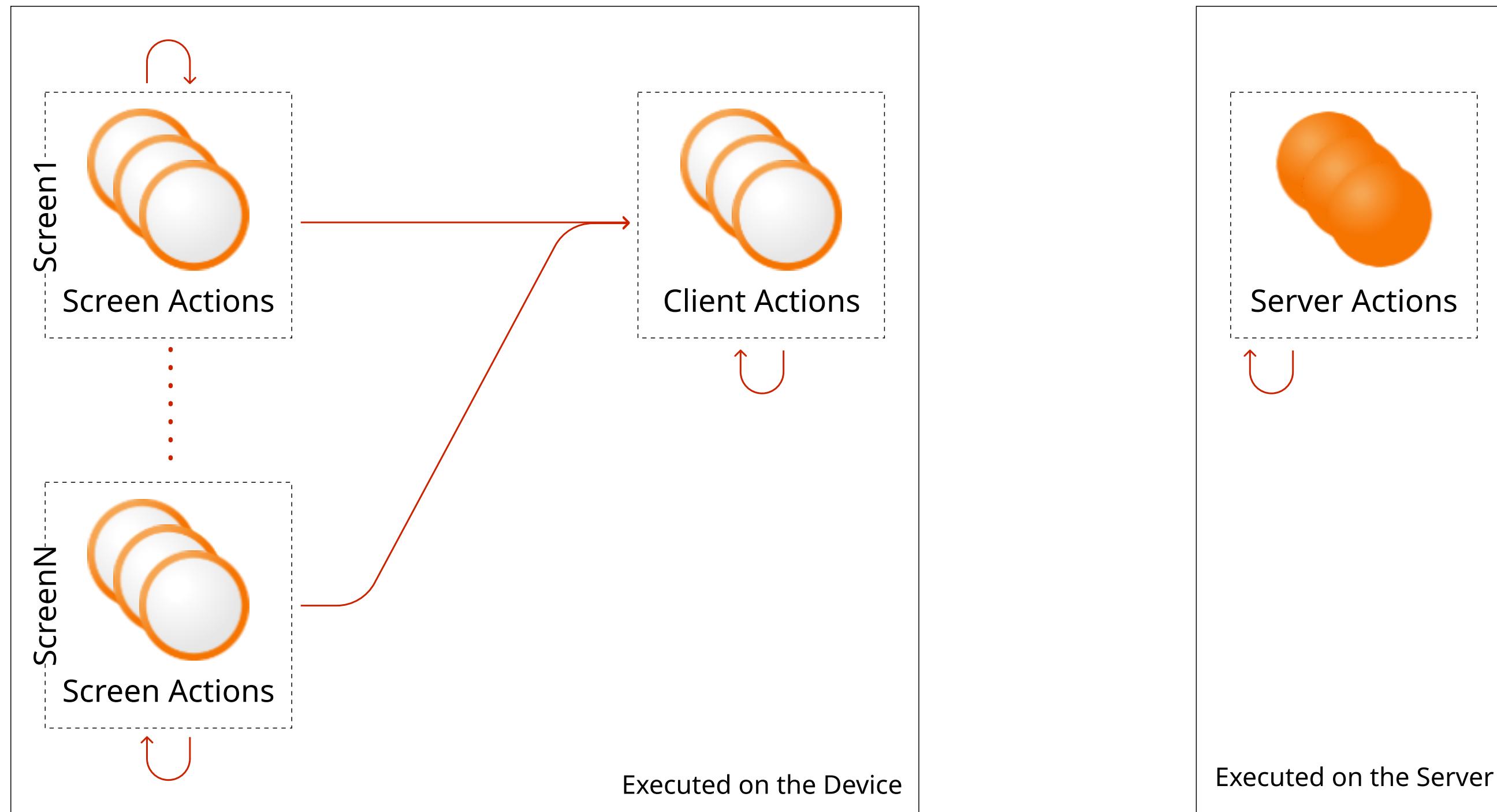
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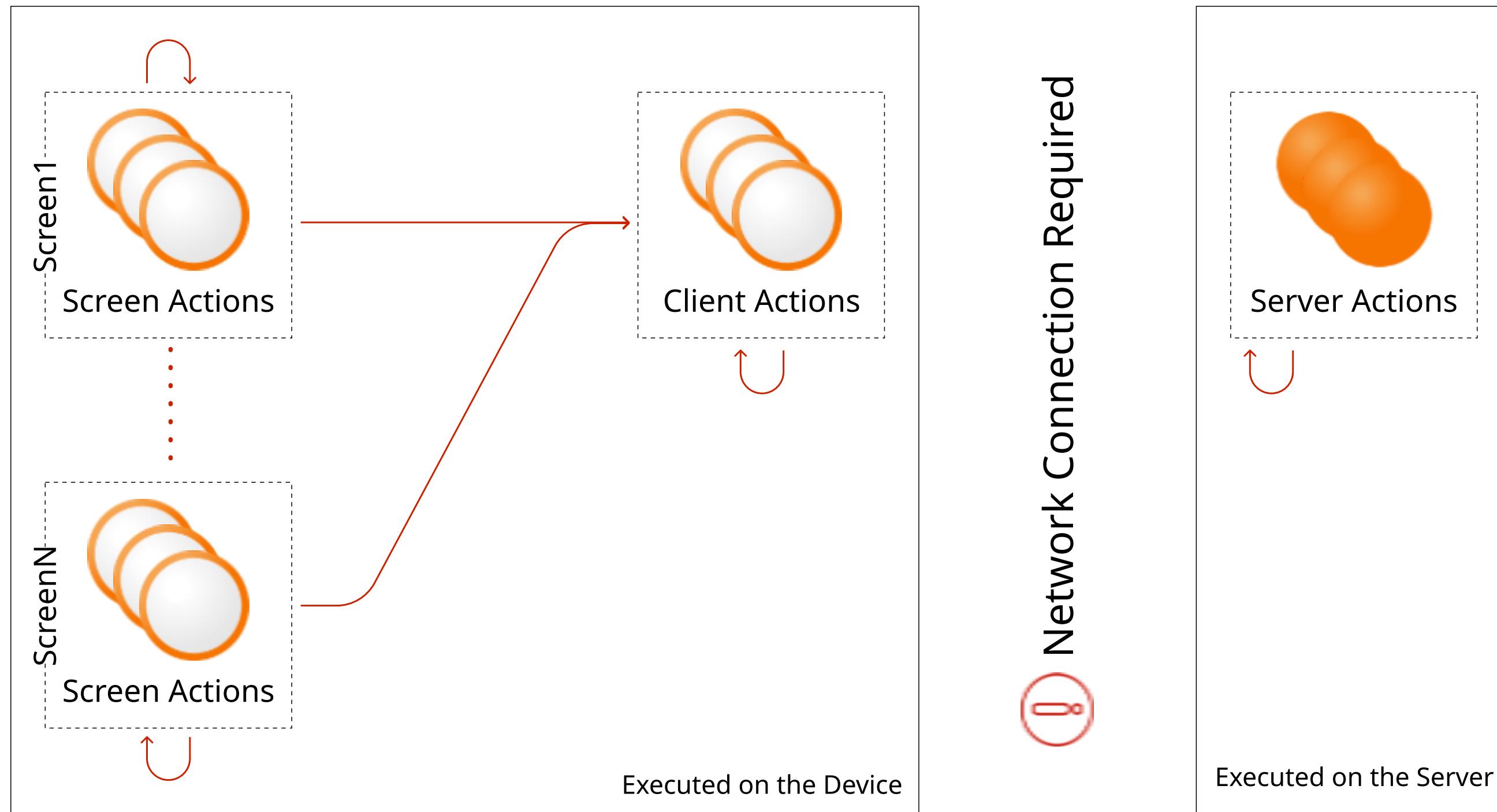
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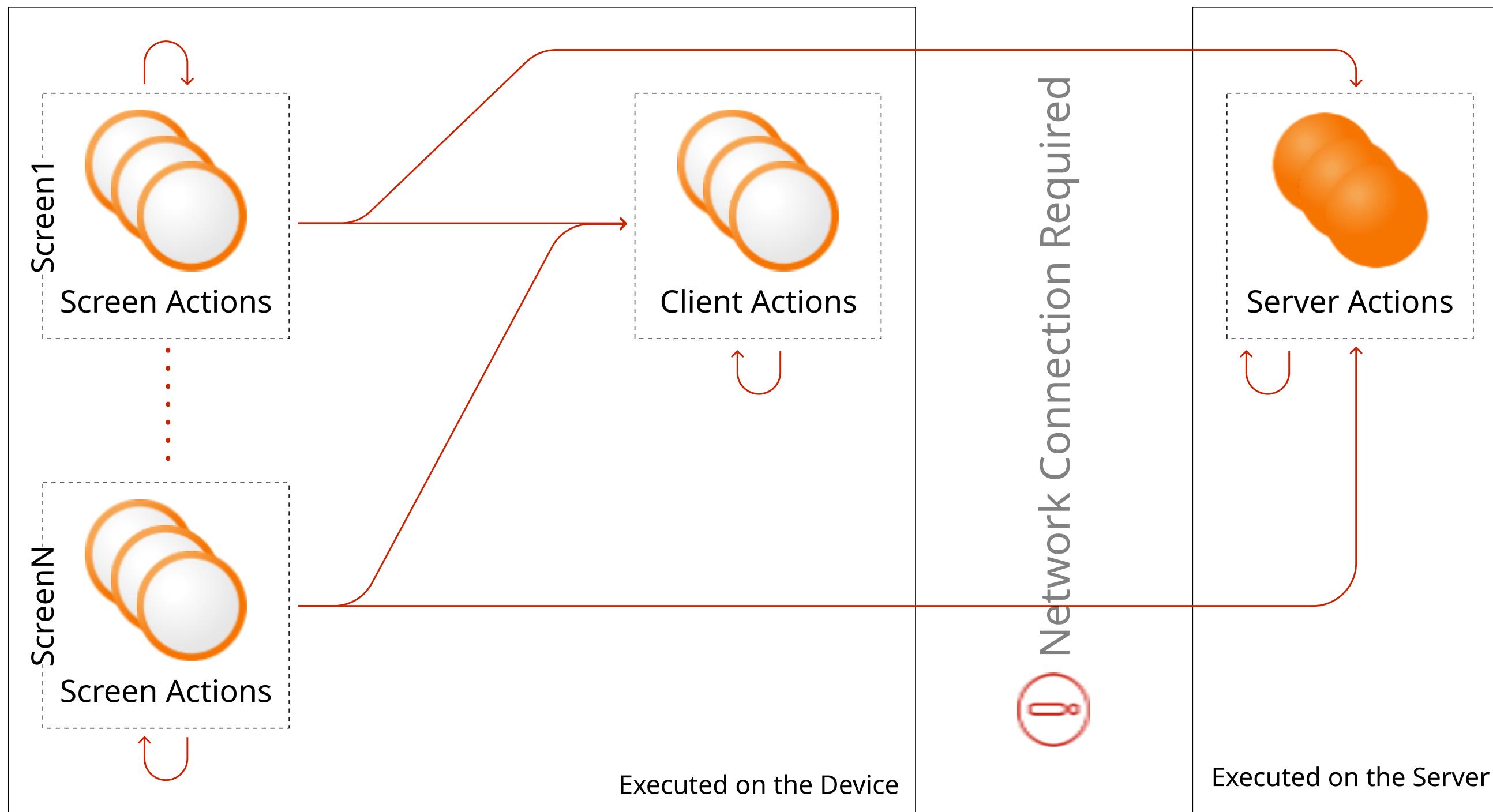
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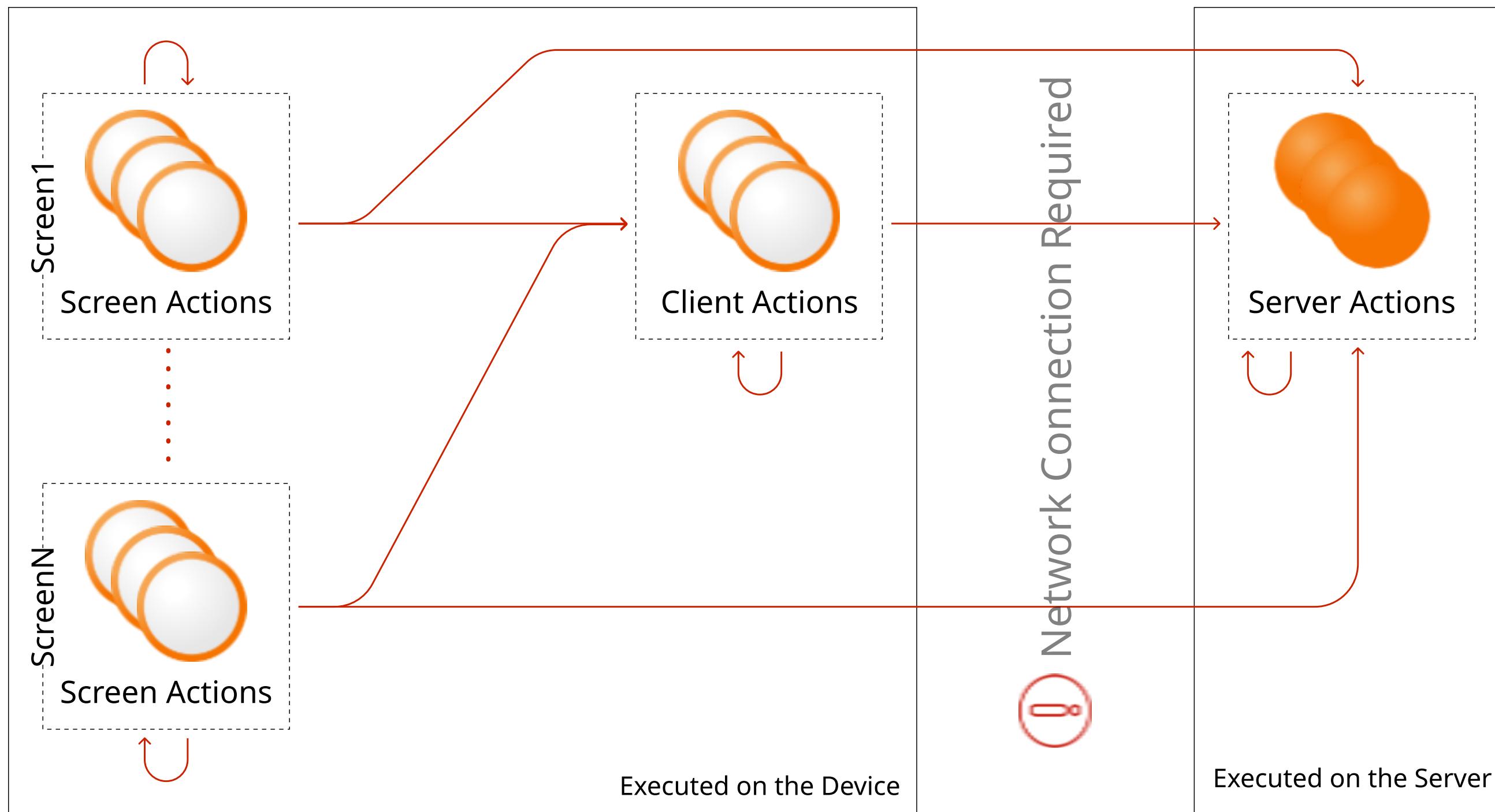
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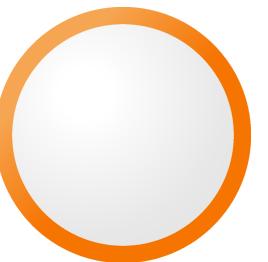
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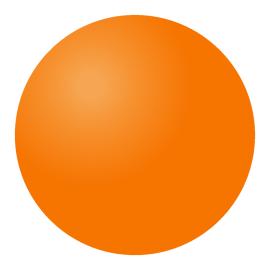
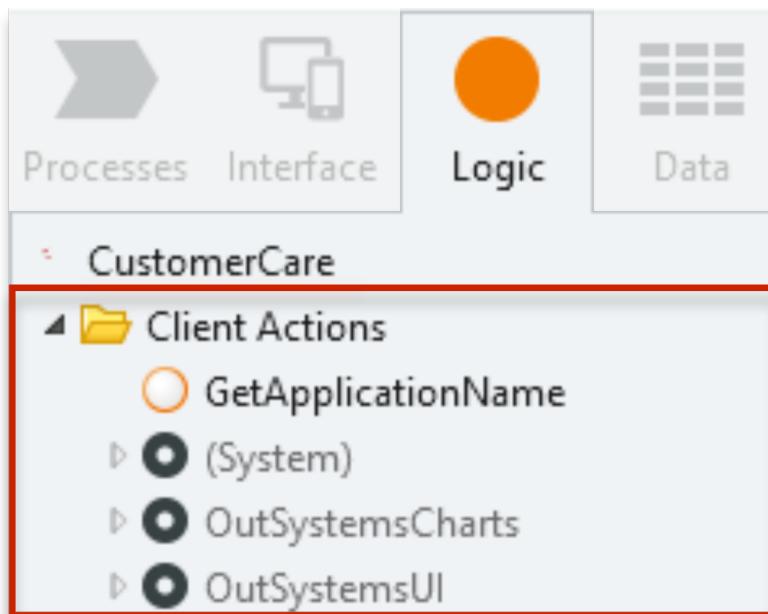
# Where are Actions defined?



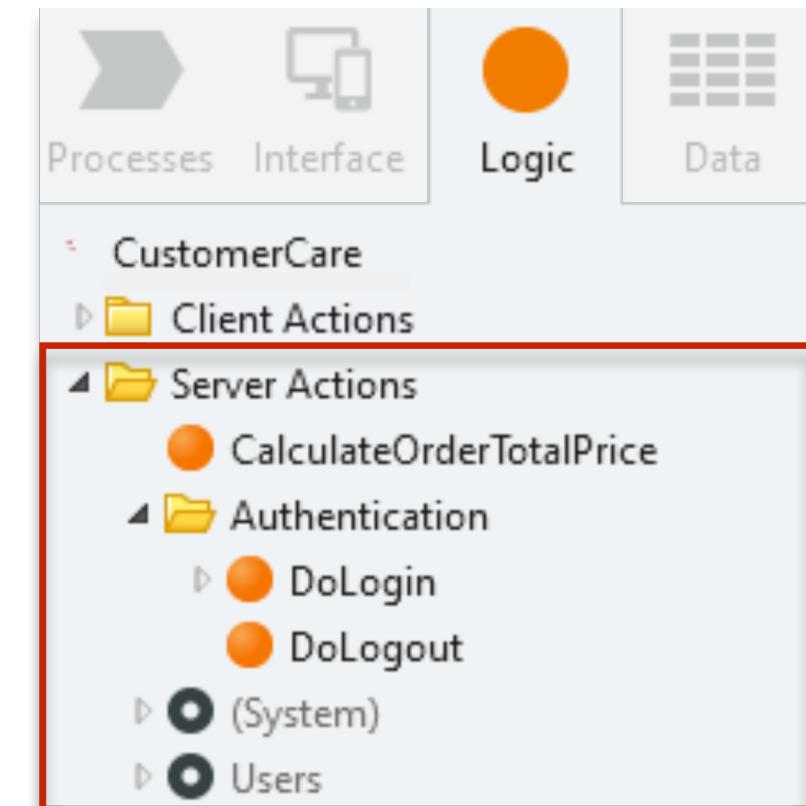
Screen Actions



Client Actions



Server Actions



# Functions

The screenshot shows the OutSystems PowerDesigner interface with the 'Logic' workspace selected. The navigation bar at the top includes icons for Processes, Interface, Logic, Data, and Search. Below the navigation bar, a tree view shows a CustomerCare folder containing a Client Actions folder. Inside Client Actions, there are four items: GetApplicationName (highlighted), (System), OutSystemsCharts, and OutSystemsUI. The details pane below shows the properties for 'GetApplicationName' as a Client Action:

Name	GetApplicationName
Description	...
Public	No
Function	Yes
Icon	Default Icon

- Client Actions and Server Actions can be set as a **Function**
  - Restricted to one Output Parameter
  - Available in Expressions
- Client Actions set as Function can't call Server Actions