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## Composer Help

IRD Functionality Included in Composer

# IRD Functionality Included in Composer

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Composer enables you to create SCXML-based routing applications to run on the Universal Routing 8.x platforms and, as such, it includes functionality that was previously provided through Genesys **Interaction Routing Designer** (IRD). The information below is provided for existing Genesys customers transitioning to Composer, who are familiar with creating strategies in IRD.

## Composer Blocks and IRD Objects

Composer refers to the fundamental element of a workflow as a *block*; whereas in IRD documentation, this element is referred to as an *object*. The tables below group IRD objects based on their IRD toolbar category name and point to the corresponding functionality in this release of Composer. Summary information is presented below.

- Learn about the **differences** between Composer and Interaction Routing Designer, which has historically been used to create routing applications.
- See the Composer **Quick Start** for how to create a simple routing strategy, attach data that will appear on the agent desktop, and route to the preferred agent.

## Data & Services

IRD Object Name	Composer Block Name	Description
Database Wizard	<b>DB Data</b>	DB Data retrieves information from the database. Uses a <b>Query Builder</b> .
Web Service	<b>Web Service</b>	Invokes Web Services. GET, POST and SOAP over HTTPS are supported.
	<b>Web Request</b>	Invoke any supported HTTP web request or REST-style web Service. See sample: <b>Routing Based on Web Request</b> .

Also see Composer's **Server Side Blocks**.

## Miscellaneous

IRD Object Name	Composer Block Name	Description
Assign Multi-Assign	<b>Assign</b>	Assigns a computed value/ expression or a literal value to a variable. Variables are defined in the Entry block. Capable of multiple assignments.
Call Subroutine	<b>Subroutine</b>	Creates reusable sub-modules.

Entry	Entry	Sets global error (exception) handlers. Defines global variables (see <a href="#">Variables</a> section below).. All routing strategy diagrams must start with an Entry block.
Exit	Exit	Terminates the strategy and returns control back to calling workflow in case of a subroutine.
Error Segmentation	Multiple error output ports can be created in Composer blocks based on each block's Exception property.	
Function Multi-Function	ECMAScript	Builds an ECMAScript expression using the <a href="#">Expression Builder</a> . Many URS functions are available as Genesys Functional Modules described the <a href="#">Orchestration Server Documentation Wiki</a> can invoke multiple functions.
If	<a href="#">Assign</a> , <a href="#">Branching</a> , <a href="#">ECMAScript</a> blocks all open Expression Builder	<a href="#">Expression Builder</a> can be used to create IF expressions.
Multi-Attach	ECMAScript	Can be used for attaching data to an interaction.

Also see Composer's [Routing Flow Control Blocks](#).

## Routing

IRD Object Name	Composer Block Name	Description
Selection	<a href="#">Target</a>	Routes an interaction to a target, which can be Agent, AgentGroup, ACDQueue, Place, PlaceGroup, RoutePoint, Skill, or Variable. Skill target uses <a href="#">Skill Expression Builder</a> .
Percentage	<a href="#">Target</a>	<a href="#">Statistics Order</a> property in Target block, lets you perform percentage allocation. Also see sample: <a href="#">Routing Based on Percent Allocation</a> .
Default	<a href="#">Default Route</a>	Routes the interaction to the default destination. Can be overridden by the <a href="#">Set Default Route</a> block.
Routing Rule		Orchestration Server 8.1 does not support service level routing

		rules.
Switch to Strategy		Orchestration Server 8.1 does not support switch to strategy routing rules.
Force Route	Force Route	Not exposed as a routing rule in Composer.
Statistics	Target	Although statistical routing rules are not yet supported as in IRD's Statistics routing object, users can use the Target object <b>Statistic</b> property to route based on the value of a statistic. A <b>Statistics Manager and Builder</b> let you create your own statistics from URS predefined statistics.

Also see Composer's [Routing Blocks](#).

## Segmentation

IRD Object Name	Composer Block Name	Description
ANI	Branching	See <a href="#">Your First Application: DNIS Routing</a> for an example.
DNIS	Branching	See <a href="#">Your First Application: DNIS Routing</a> for an example.
Date	Branching	See the sample Routing Based on Date & Time.
Day of Week	Branching	See the sample Routing Based on Date & Time.
Time	Branching	See the sample Routing Based on Date & Time.
Classification Segmentation	Branching	For classification segmentation, an ECMAScript function determines if a particular category name or ID exists in the array of category objects represented by an application variable.
Generic	Branching	Use as a decision point in a workflow. It enables you to specify multiple application routes based on a branching condition.

Also see:

Composer [Common Blocks](#)

[Context Services Blocks](#).

## Voice Treatment

See [Composer Equivalent to IRD Treatment](#).

## eServices Multimedia

See [Composer Equivalent to IRD Multimedia](#).

## Outbound

See [Outbound Common Blocks](#)

## Context Services

See [Context Services Blocks](#)

## Business Process

See [Interaction Processing Diagrams Overview](#) and [Interaction Process Diagram Blocks](#). Reusable Objects

- IRD List Object: See Composer's [List Object Manager](#).
- IRD Variable List Dialog Box: See Entry block [Variables](#) property.

In contrast to IRD, which defines variables in a special dialog box outside of the strategy, Composer defines both [workflow](#) and [Project variables](#).