uluiu cisco

> LET'S BUILD TOMORROW TODAY

# UCCE Solution Service Creation (including CCE and CVP Scripting)

Sunil Vashist – CVP Product Manager @VashistSunil

Brian Cole – Technical Marketing Engineer

BRKCCT-2027



#### Agenda

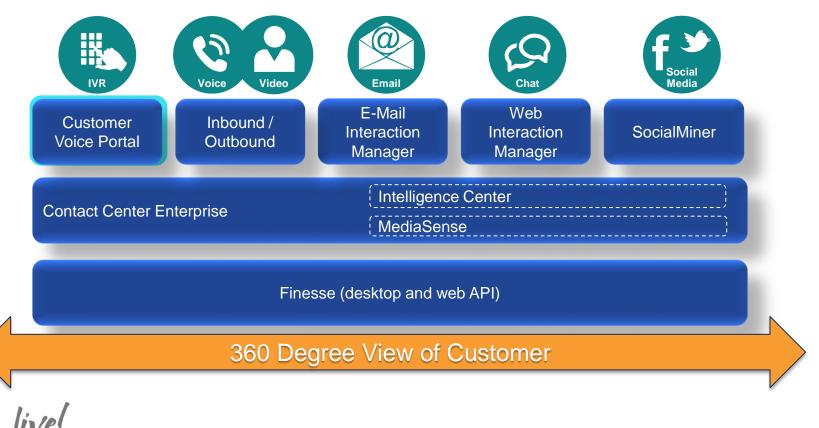
- ICM Script Editor integration with CVP Call Studio 40 mins.
- CVP Call Studio Enhancements 30 mins.
- Integrated demo scenario and reporting considerations 25 mins.

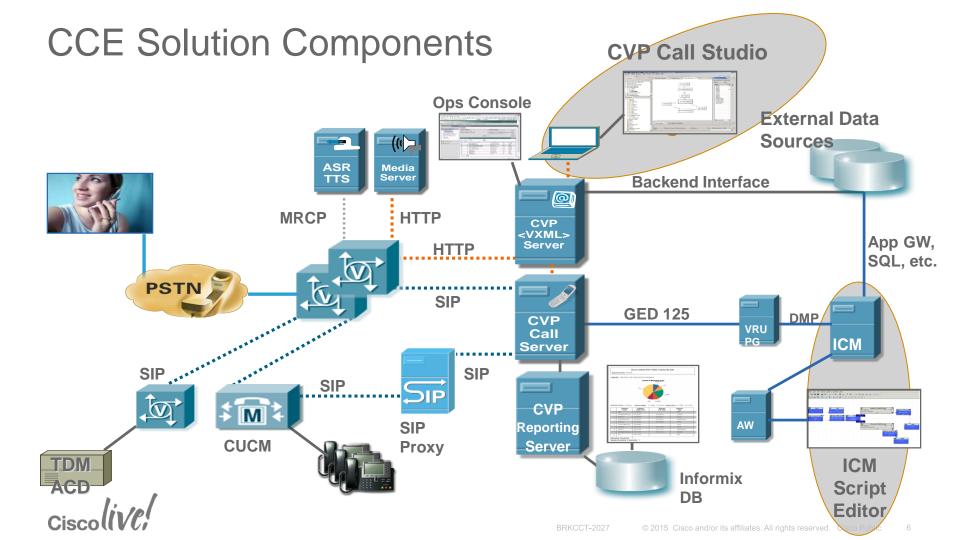


# ICM Script Editor Integration with CVP Call Studio



#### **Cisco Unified Contact Center**





Scripting Decisions in IVR Based on Many Factors

 $\rightarrow$ 

- ASR and TTS  $\rightarrow$  CVP Studio
- DTMF only  $\rightarrow$  Mici
- IVR Standalone  $\rightarrow$
- Only Call Control  $\rightarrow$
- Dynamic VXML →
- Legacy IVRs  $\rightarrow$
- Legacy ACDs

- Micro Apps CVP Studio
  - Micro Apps
  - CVP Studio
- Micro Apps
  - Micro Apps



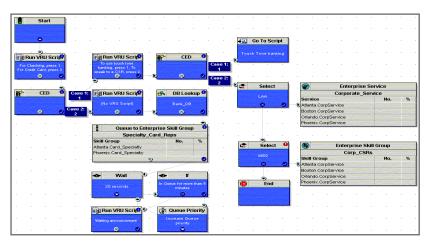
Ciscoliv/P

#### **Building an Integrated Script**



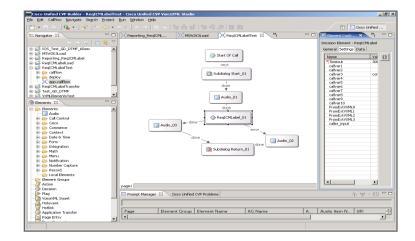
Ciscolive!

#### Interface: ICM Script Editor & CVP Call Studio



#### Script using ICM Script Editor

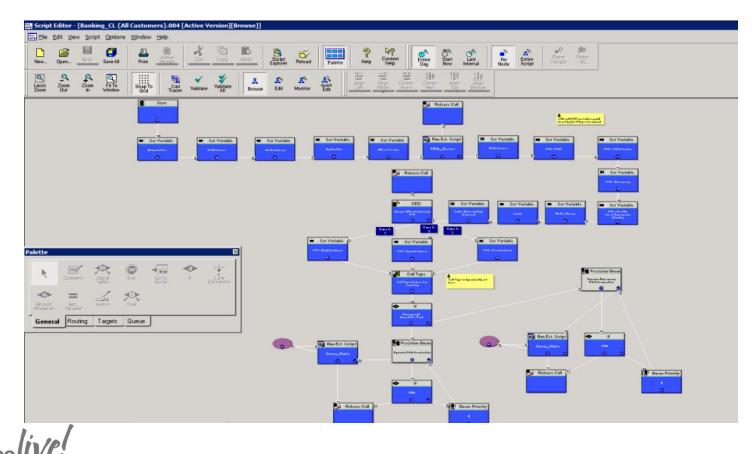
- Can call Dynamic VoiceXML self-service
   applications
- Also
  - Scripting DTMF-only applications
- Transfers to legacy IVRs/queuing for ACDs or IP call center agents
   Ciscol(VC)



#### Script using CVP Studio

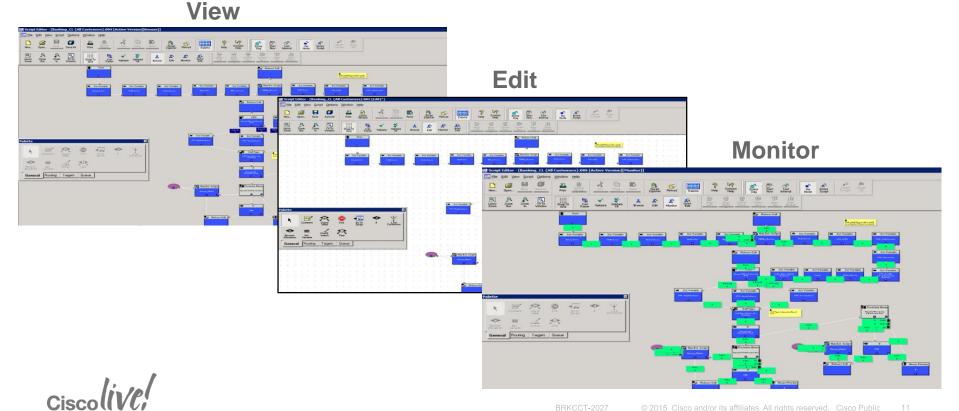
- Dynamic VoiceXML self-service
   applications
- Connectivity using MRCP to ASR/TTS
  - Automatic Speech Recognition and Text to Speech
- Connectivity to backend Web services

#### **Quick ICM Script Review**



3RKCCT-2027 © 2015 Cisco and/or its affiliates. All rights reserved. Cisco Public 10

### 4 Script Modes – View, Edit, Monitor and Quick Edit



### ICM Script Editor Overview

💐 Script Editor - [Banking_CL {All Customers}.008 [Edit]*]	
Ele Edit View Script Options Window Help	
New. Open SA Save All Print Active Cut Copy	Paste Explorer Reload Paste Explorer Reload
Lasso Zoom vom Fito Sing to Call Valdate Valgate	A     A
Generator	
Script Valida	
Call Type Manager	
Call Type Manager	The Sector Secto
Palette	
Careful Case Henu Play Dueue Dueue	
Image: State in the	
General Routing Targets Queue	

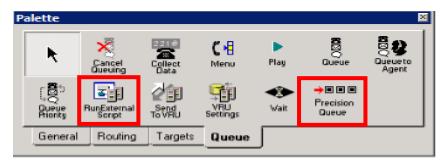
Ciscolive!

#### Edit Mode - Palette Options



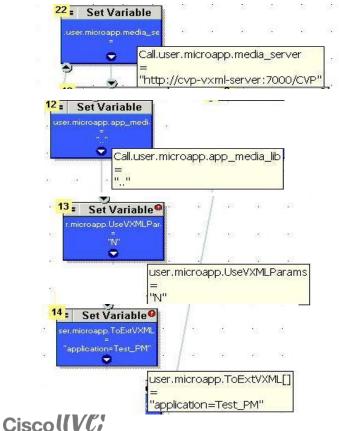


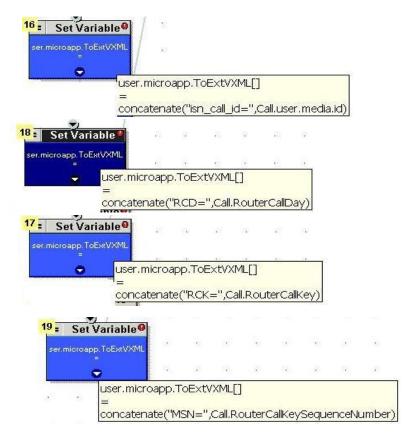




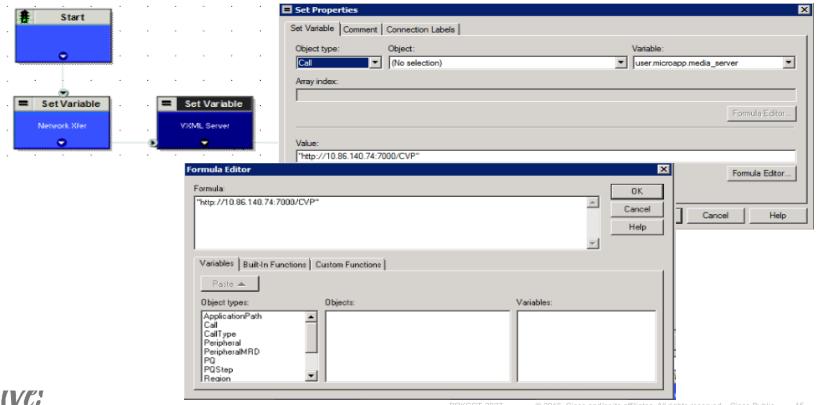
Ciscolive:

## Set Variables





#### Set Variable Nodes



#### Cisco((VC;

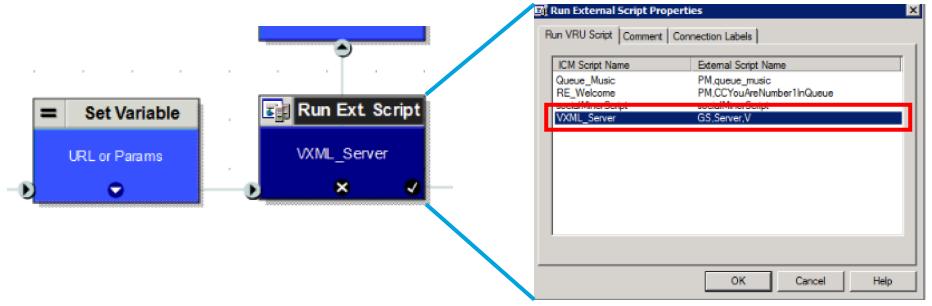
Micro-Applications (Micro-Apps)

#### **There Are Six CVP Micro-Apps**



- They simplify common script tasks
- Defined in ICM Configuration Manager
- Invoked from an ICM Script
- Interpreted by the IVR service on the Call Server (CVP)
- VoiceXML gateway sent to voice browser

## Run External Script node



## Micro-Applications (Get Speech)

Get Speech

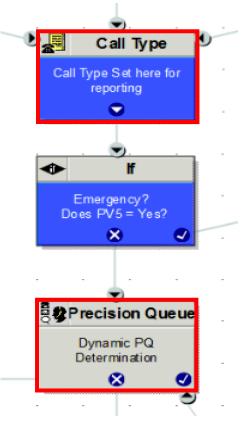
#### (GS) Collects ASR or DTMF Input After Prompting a Caller

Attributes	Ý 🖻
Annouces	
Network VRU	
VRU script name	* GS,SalesService
Name	* GetSalesDrService
Timeout	* 180 Sec
Configuration param	
Customer:	<none></none>
	I Interruptible
	✓ Overridable
Description	

1. GS - Get speech SalesService - Media File name

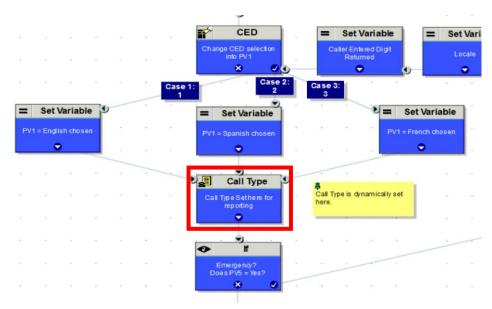
The Configuration Param field is left empty 2.

## Call Type Change & Precision Queue Nodes



## Why Change the Call Type?

- If there is an IVR treatment before call is queued, a best practice is to change the Call Type just before Queue node
- Changing the Call Type will reset the Service Level Timer and not include the IVR time
  - Else, the IVR treatment time will be included in the calculation of the service level, having a negative impact on your Service Level calculations

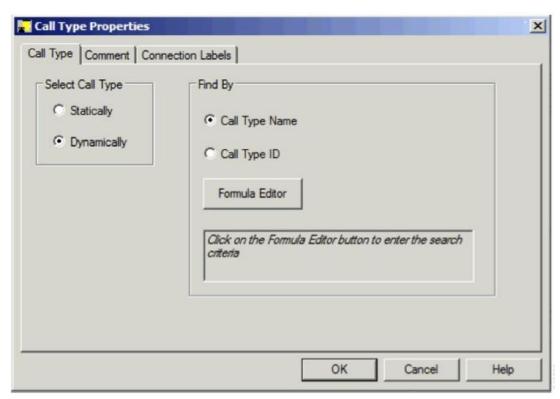




## Dynamic Call Type

 Call Type node can change the Call Type based on Call Data (Call Variables, Database Lookup, ECC)

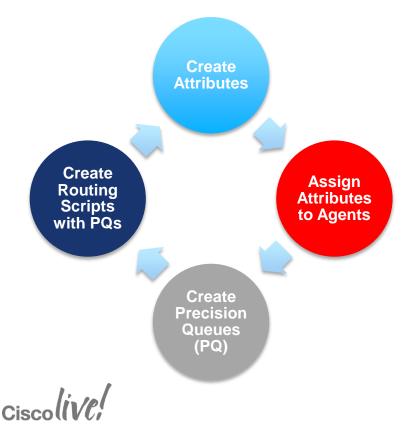
 Used in conjunction with Dynamic Precision Queue, multiple Call Types, and Directory Numbers





Changing	, Call Type	for Re	porting	Call Type Call Type Set here for reporting
Dynamically     Fo				
	Fa	ormula Editor		×
		Formula: concatenate(Call PeripheralVaria	ble2,"_",Call Peripheral/ariable3)	Cancel Help
		Variables Built-In Functions	Custom Functions	
li al		Paste   Dbject types:  ApplicationPath Call Call Peripheral Peripheral Peripheral PR PQ PQ PQ Region	Objects:	Variables:
Cisco live,			BRKCCT-2027 ©	2015 Cisco and/or its affiliates. All rights reserved. Ci

#### Precision Routing Configuration Overview



Attribute: Agent characteristic and expertise represented as a Boolean or Proficiency value (ten dimensions)

**Precision Queue**: Multidimensional queue where best agent is chosen by smart mix of attributes and real-time metrics

**Step:** Dimension within PQ that defines the pool of agents

Wait Time: Duration to search for an available agent in each dimension

#### Attributes

Unified CCE Administration					
Home Manage Sett	ings				
Manage Attributes					
New Attribute 🕜					
* Name	Auto_Insurance				
Description					
* Data Type	Proficiency				
* Default ∨alue	Select Select 1 2 3 4 5 6 7 8 9 10				



#### Two Attribute Types:

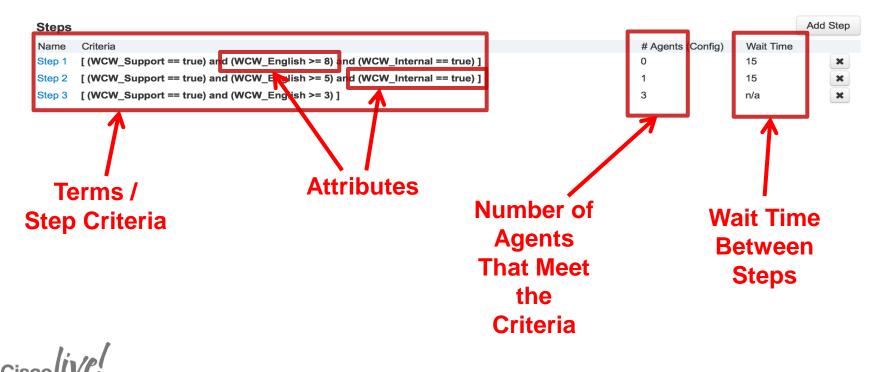
- Proficiency Based
  - 1-10 Rating
    - Used for quantifying agent's expertise
- Boolean
  - •True or False
    - Used to indicate an "exists or not"

condition.

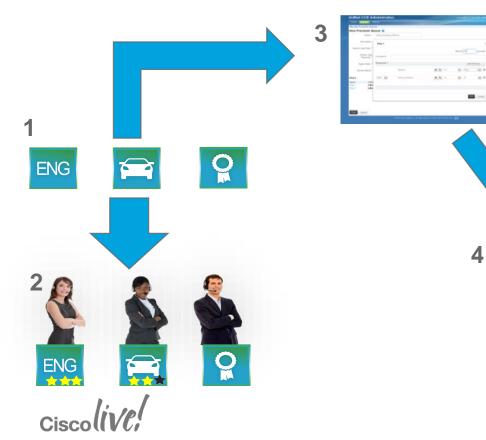
• (i.e., Certified, Location, etc.)

# Precision Routing: Terminology

Sample Precision Queue (PQ):



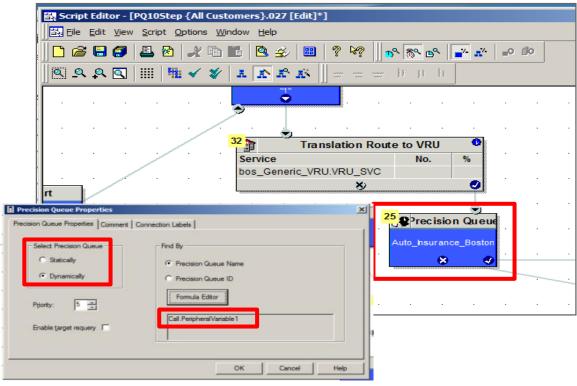
## **Precision Routing: Configuration Overview**



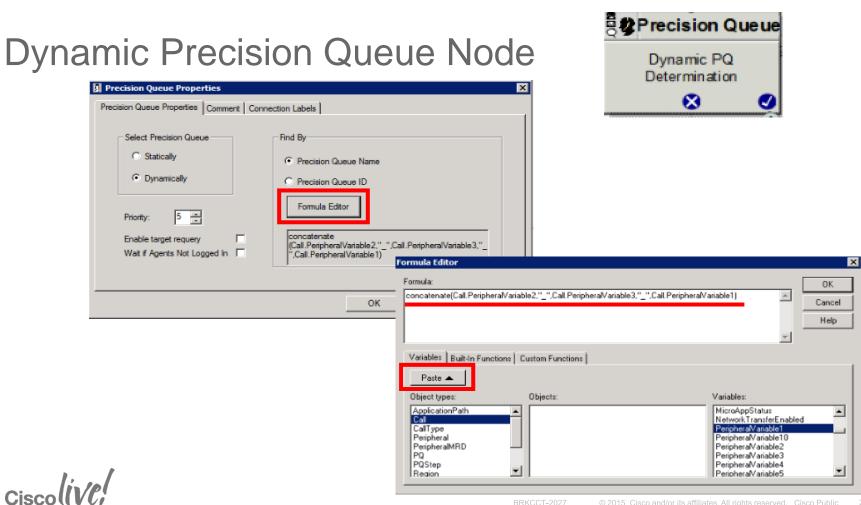
- 1. Create Attributes
- 2. Assign Attributes and Proficiency to Agents
- 3. Create Precision Queues based on Attributes
- Invoke Precision Queues via routing scripts



### **Precision Queue Node**

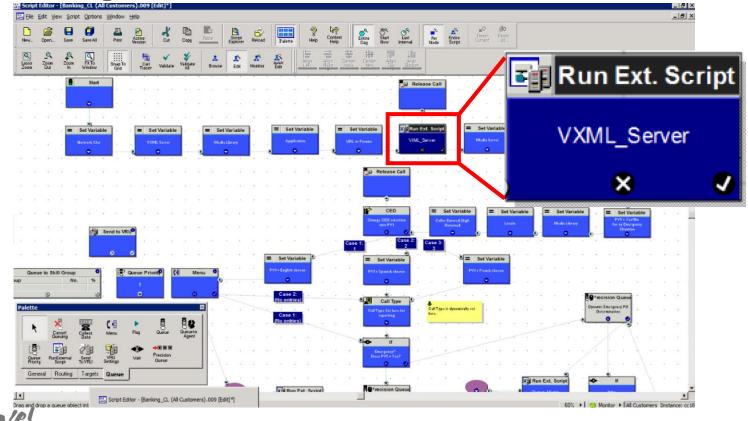


- Invoke PQs either:
  - Statically Specify the exact PQ
  - Dynamically Calls a PQ based on formula evaluated at runtime
  - Dynamic Call Type feature (independent of Precision Routing)



### Requesting the Services of CVP

Cisc



# - Demo -

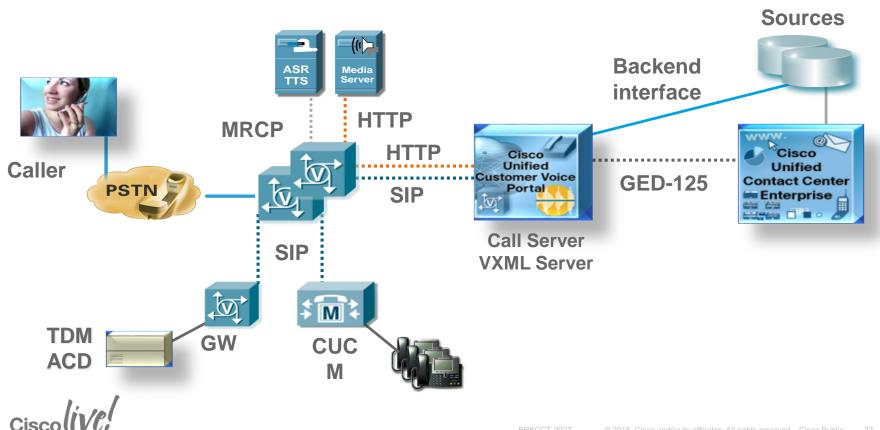
ICM Scripts CVP Call Studio Dynamic Call Types Dynamic Precision



#### CVP's Role

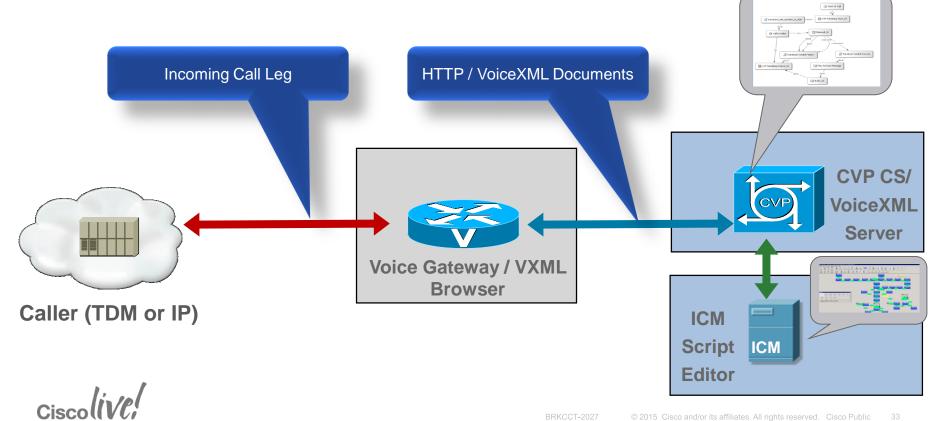


## **CVP Solution Components**



**External Data** 

## In Simple Terms

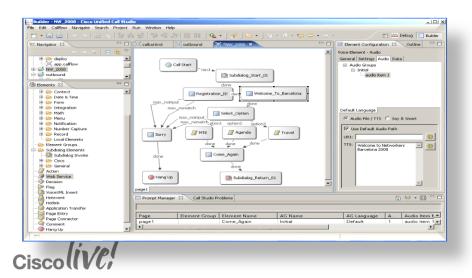


## CVP Call Studio



## Cisco Unified Call Studio For Scripting

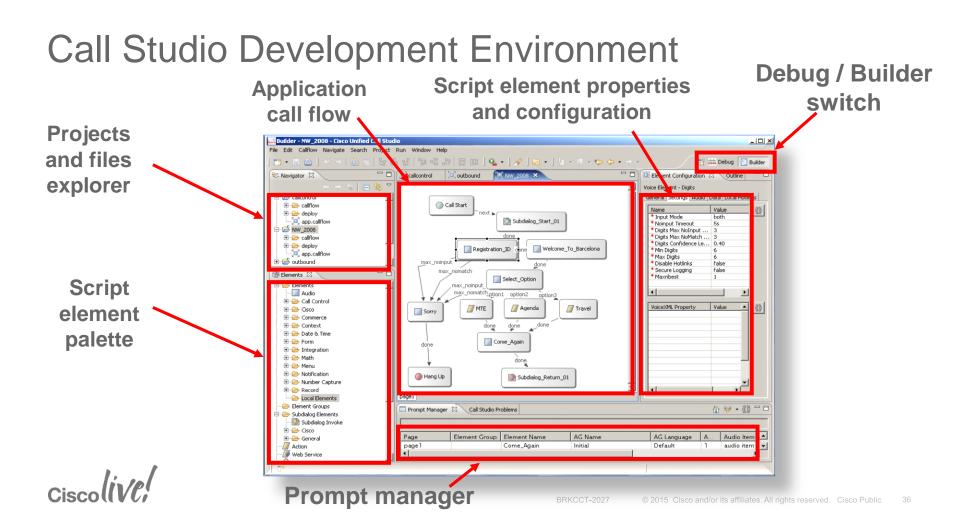
- Service Creation environment
- Eclipse based
- VoiceXML Scripts
- ASR/TTS integration



#### cisco

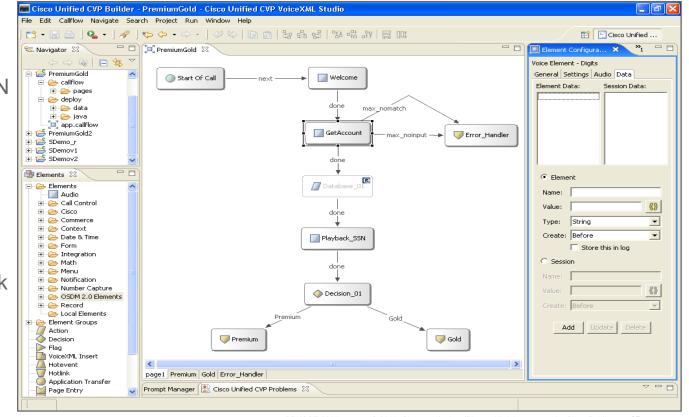


- Backend integration
  - Web Services element
  - Databases
  - HTTP / XML
  - Custom Java classes
- Debugger to simulate calls
- Customization / Reusability



## Sample Application: "PremiumGold"

- Welcome caller
- Prompt for account /SSN
- Database dip
- Customer type
- Personalized handling
- Multipage
- Formatted data playback
- Centralized error
- Documenter



# Overview of Studio Elements



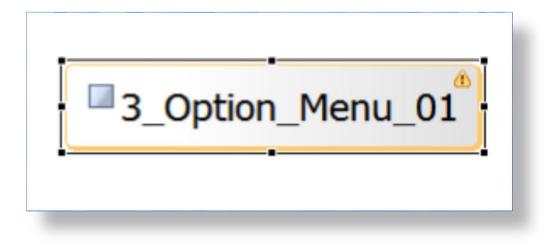
#### Studio Elements

- Pre-built and fully tested building blocks
  - Voice Elements
  - Voice XML Insert Elements
  - Decision Elements
  - Action Elements
  - Programed Custom Element



#### Voice Element

A reusable, Voice XML producing dialog with a fixed or dynamically produced configuration



- Audio Element
- Data Element
- Record Element

#### Say It Smart

#### Types

- Number
- Date (& Time)
- Currency

Ciscol(VC;	Cisco	live!
------------	-------	-------

🚫 Audio File / TTS 💿 Say It Smart		
Data:	{Data.Session.startData}	
Туре:	Date 💌	
Input Format:	YYYYMMDD 💌	
Output Format:	The Date 💌	
Use Recorded Audio		
🔽 Use Default Audio Path		
Audio Path:	sayitsmart/	
Audio Fileset:	Standard Full Date 🛛 😯	
Audio Type:	wav 🔽 🚺	

# VoiceXML Insert Elements



#### Voice XML Insert

VoiceXML Insert
General Data
Name: MyVXMLInsert
Source: http://mycompany.com/vxml/insert.vxml
Exit States:
error success maxNoMatch maxNoInput
Exit State: maxNoInput
Add Update Delete



# **Decision Elements**



#### **Decision Elements**

Encapsulates business logic that make decisions with at least two exit states

🗱 MyDecision		
Expression	Action	Exit State
IF [ARGUMENT] [OPERATOR] [ARGUMENT]	then return	
		>
Otherwise Return Exit State:		
First Argument Operator Second Argum	ient	
Argument Type:  Argument Type:  Argument Type:	e:	×
	l	OK Cancel

Ciscolive

# Action Element



#### **Action Element**

Encapsulates business logic that performs tasks not affecting the call flow.

Math_01
---------

- Counter
- Math
- Email
- Web service
- Set Value

#### Web Service Element

A special action element used to interface with a web service

Configure Request Parameters
CiscoCallDetailService : LookupPrecertStatus
<ul> <li>Message: ICiscoCallDetailService_LookupPrecertStatus_In</li> <li>Part: parameters</li> <li>LookupPrecertStatus</li> <li>CallUniqueId</li> </ul>
Configure Selected Parameter
Type: string
Value: {Data.Session.callUniqueId}
OK Cancel

1. 10

Cisc

General		
Name: CallDetailService		
Load WSDL		
File C:\Cisco\CallStudio\eclipse\workspace\C }rows		
Load		
Configure \	Web Service Call	
Service:	CiscoCallDetailService (NS: http://tempuri	
Port:	BasicHttpBinding_ICiscoCallDetailService 💌	
Operation:	LookupPrecertStatus	
Request:	Configure	
Response:	Configure Store Full Response XML	
Runtime Settings		
Connect Ti	meout: 3	

# Video Connect



## Video Connect

Element plays a specific video file from the video media server and collect digits during the video file playback.



#### Passing of Data

	ment Connection Labels	
Object type:	Object:	⊻ariable:
Call	(No selection)	user.microapp.ToExtVXML[]
Array index:		
E		
		Formula
Value		
Vajue:	- UC-II Decision Mariable 7)	
-	e='',Call.PeripheraMariable7)	
-	e='',Call.PeripheralVariable7)	Eormula
-	e='',Call.PeripheraWariable7)	Eormula
-	e='',Call.PeripheralVariable7)	Eormula
-	e='',Call.PeripheraWariable7)	<u>F</u> ormula OK Cancel

#### Pass Data to CVP Studio

Variable Name (up to 5)	Values (210 bytes each)
User.microapp.ToExtVXML[0]	"application=HelloWorld"
User.microapp.ToExtVXML[1]	Company=Cisco; Job=technical writer"
User.microapp.ToExtVXML[2]	"FirstName=JimBob; LastName=Thornton"
User.microapp.ToExtVXML[3]	"Salary=500000; Address=23 Central St;"
User.microapp.ToExtVXML[4]	"City=Boston;State=MA"

Ciscolive!

Creating a Studio Application



#### Start and Name a New Application

Builder - HyApp - Cisco Unified Call S		<u>6.X</u>
File Edit Califiow Navigate Search Pr	roject Run Window Help	
C • C = Q • [ / ] Q • [ 2 • ]	▲ ★ ◇ ◇ ★ ★ ★ ↓ ★ ★ ★ ● ● ● ● ● ● ● ● ● ● ● ● ●	🗇 🖸 Builder 🛸
	e <sup>™</sup> <sup>™</sup> <sup>™</sup> <sup>™</sup> <sup>™</sup> <sup>™</sup> <sup>™</sup> <sup>™</sup>	" C Element Configuration # Outline " C
± 😸 MuApp		<ul> <li>No Configurable Element Selected.</li> </ul>
🗉 🛃 Test		
	Call Studio Project	
	nest Create a Call Studio Project	
	CAP Subdatog St C.C	
	CAP subling St Cs     Project name: pharmacyRefil	
	done	
	Gedure/analysis     G	
	costor: C;Cisce;CalStude/edgee/workspace/pharmag/Refil     Browse	
	Application, Mudiller, M. d	
	W Appleador, Hodner, of	
	done	
	pGreeting	
Bements ::	on date	
P & Bements	♥ testjava	
Audio	- vietana	
a Call Control		
# 🗁 Cisco	Trefils - option1 Il Main Menu	
» Scammerce		
8 > Context. 8 > Date & Time		
E S Form	pest option2	
E 🔶 Integration		
a 🗽 Math	a go Tafkain Menu	
8 🎃 Menu	GolidManNenu VFindAPhan cy	
Notification		
Number Capture > Gecord		
i 🕑 Wdeo		
* > Local Elements		-
Element Groups	poge1 Refits goodbye holdCSR, FindAPharmacy OBlookup Hotiniks testjan	-
Subdialog Elements	Prompt Manager (1 Call Studio Problems II) 0000000 monitor instead 0 0 Cancel	
- 进 Subdialog Invoke F 🎃 Cisco	0 errors, 0 waning, 0 infos	
E la General	Project A Location Description	
Action		
Web Service		
Decision		
→ Flag		
VoiceXML Insert     Hotevent		
V Hotlink		
Application Transfer		
Page Entry		
Page Connector		
Comment:		
🕘 Hang Up		

Ciscolive!

#### Choose Language, Gateway, and Logger Settings

	lio Project	×
Call Studio Pro	ject	2 mil
General Settings		
Deploy Version:	CVP VXML Server 4.1/7.0/8.0/8.5/9.0	-
Maintainer:		
Language:		-
Encoding:		-
Subdialog:	true	
Session Timeout:	30 v minutes	
VoiceXML Gateway	Cisco Unified CVP 4.1/7.0/8.0/8.5/9.0 with Cisco DTMF	-
VoiceXML Gatewa	y Description	
	y Description apter is compatible with the following voice browser:	-
This gateway ada		1
This gateway ada Cisco Unified CVP	apter is compatible with the following voice browser: 4.1/7.0/8.0/8.5/9.0 with Cisco DTMF	1 V
This gateway ada Cisco Unified CVP	apter is compatible with the following voice browser: 4.1/7.0/8.0/8.5/9.0 with Cisco DTMF	×
This gateway ada Cisco Unified CVP User Management:	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	×
This gateway ada Cisco Unified CVP User Management: Loggers: ErrorLog	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	
This gateway ada Cisco Unified CVP User Management: Loggers:	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	Add Edit
This gateway ada Cisco Unified CVP User Management: Loggers: ErrorLog AdminLog ActivityLog CVPDatafeedLog	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	
This gateway ada Cisco Unified CVP User Management: Loggers: ErrorLog AdminLog ActivityLog	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	Edit
This gateway ada Cisco Unified CVP User Management: Loggers: ErrorLog AdminLog ActivityLog CVPDatafeedLog	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	Edit
This gateway ada Cisco Unified CVP User Management: Loggers: ErrorLog AdminLog ActivityLog CVPDatafeedLog	apter is compatible with the following voice browser:         4.1/7.0/8.0/8.5/9.0 with Cisco DTMF         Enable       MySQL	Edit Remove

Ciscolive!

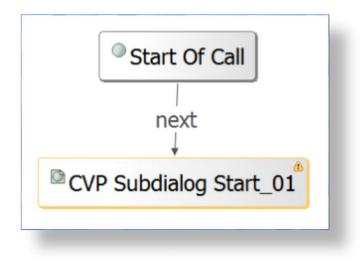
#### Define Default Audio Path

Can Be Dynamically Changed for Multilingual Prompt Delivery

🔤 New Call Studio Proj	iect 🔀	
Call Studio Project Audio Settings	2100	
Generic Error Message:	Sorry. There has been an error.	
5 I I III	<u>×</u>	
Error Audio URI: Suspended Message:	/CVP/audio/error.wav Sorry, this voice application has been taken down for maintenance.	
	×	
Suspended Audio URI:	/CVP/audio/suspend_audio.wav	
Initial On-Hold Audio URI:	I: /CVP/audio/onhold_initial.wav	
Main On-Hold Audio URI:	/CVP/audio/onhold_continue.wav	
Default Audio Path URI:		
0	< Back Next > Finish Cancel	

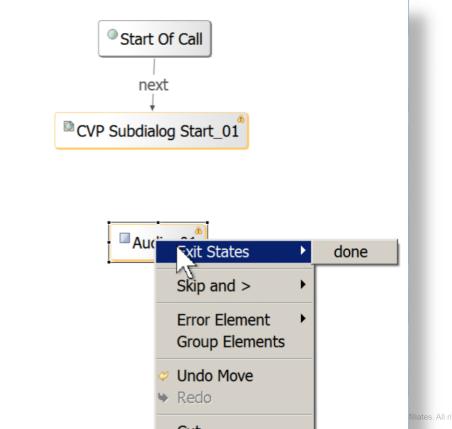
Ciscolive!

# New Application Is Started with a Workspace and a Default "Start of Call" Element





## Drag Audio Element to Play Messages to the Callers





# - Demo -Video IVR



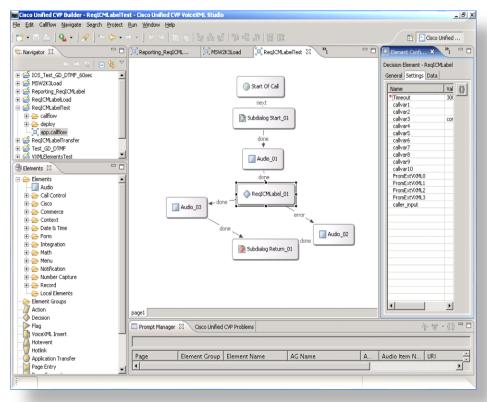


#### Studio enhancements (Release 10.5 and above)



## Studio Enhancements

- Studio 10.5
  - Sub-flows
  - Exception Handling
  - Debug tool enhancements
  - Eclipse upgrade
- Studio 11.0
  - Local Variables
  - Multi-app Debugging
  - Variable Manipulation while Debugging
  - Enhanced Database Element
  - REST Client Integration
  - Context Service

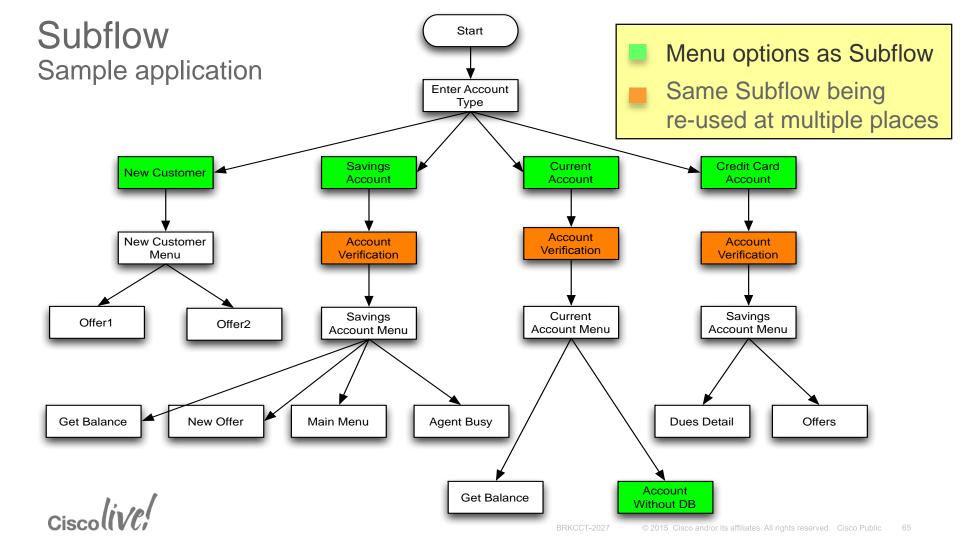


# 10.5 Enhancements Recap



#### SubFlow

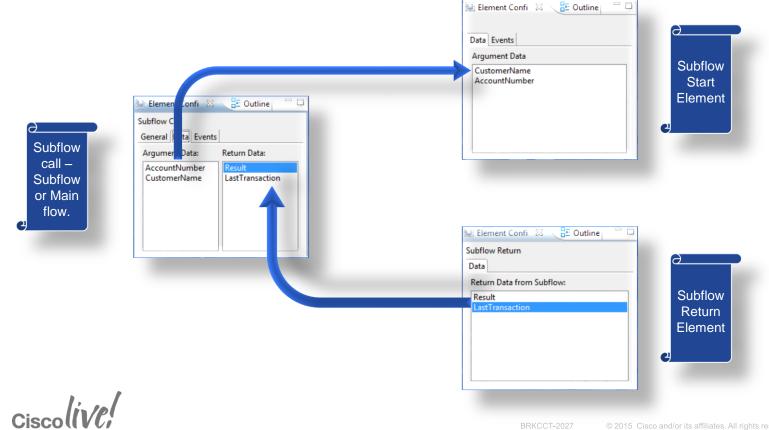
- Reusable call flow module to do a specific task
- Can be used to break large application into smaller modules
- Allows to Re-use the call flow business logic
- With Sub-flow the applications becomes
  - Modular
  - Reduces complexity
  - Easy to maintain



#### Subflow **New Elements**

Saving Accounts	Saving Accounts	Subflow Return_01
Subflow Call Element ()	Subflow Start (	Subflow Return  )
Subflow Connector General Events Data Argument Data: ISAccountValid	Element Configuration × Outline  Page Entry Events  JavaGxception hangup EuclioNotFound	Element Configuration ×     Outline       Subflow Return       Data       Return Data from Subflow:       IsValidated
Argument Name: Value: Type: String  Return Name: isAccountValid Type: String  Cisco	Add Delete Configure Selected Event Name AudioNotFound Event Handler VXML Event rerror.badfetch DTMF:	Name:       isValidated         Value:       {Data.Element.AccountVerify         Type:       String         © 2015       Cisco and/or its affiliates. All rights reserved.       Cisco Public       66

#### Argument and Return Data



#### Subflow - Application Modularity

#### Sub-Dialog (10.0)

- Project resources are selfcontained
- Reusable across projects
- Session data can not be shared
- Resource intensive as every time VXML browser needs to switch context

## **Event Handling Introduction**

- Handling the events occurred at granular level and continue with the call.
- Types of Events that can be handled

	Element	Event Handlers
	Start Of Call	Hotlink/Custom Exception/Java Exception/VXML Event
ion	Voice Elements	VXML Event/Java Exception/Local Hotlink(Other than Audio Element)
	Action Element	Java Exception
eption	Decision Elements	Java Exception
	Web Service Element	Java Exception
k/Hotlink	Sub flow Call Element	VXML Event/Java Exception/Custom Exception
	Sub Flow Start Element	VXML Event/Java Exception/Custom Exception
	VoiceXML Insert	VXML Event
	Subdialog Invoke	VXML Event

Java Exception

Custom Exception

VXML Event

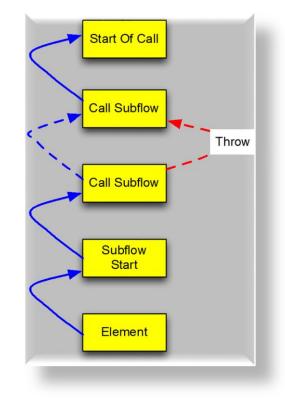
Local Hotlink/Hotlink

Ciscolin/P

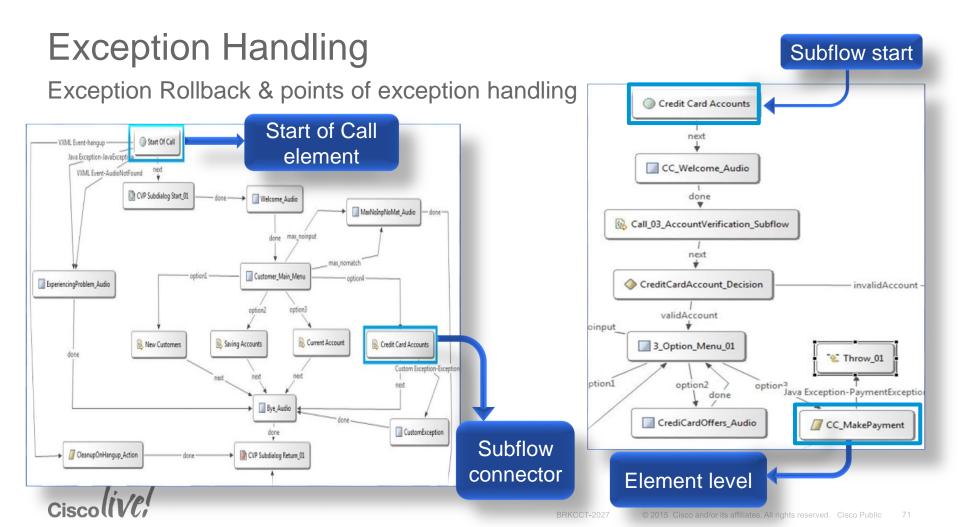
 $\geq$ 

## Event Handling preference

Element Configuration 😂 🗧 Outline 👘 🗖					
Voice Element - Audio					
General Settings Audio Data Events					
badFetchErrorHandler					
	Add Delete				
	Add Delete				
Configure Selected Event					
Name:	badFetchErrorHandler				
Event Handler:	VXML Event 🔹				
Event List:	error.badfetch.http404				
DTMF:					
Speech:					
Throw Hotevent					







#### Exception Handling Exception Throw Element

Enables exceptions to be mapped to more meaningful and context specific error information to enhance Caller experience

🚇 Element	Configuration 🛛	- 0
Throw		
General		
Name:	Throw_01	
Event:	FeatureUnavilable	<b>()</b>
Message:	{Data.Session.lastException.message}	
Field1:	Payment Service Not Avilable	
Field2:	4000	
Field3:	ErrorCategory=Payment	<b>()</b>



### **Exception Handling**

#### 10.0

- Handles client events only
- Global error handling mechanism
- Hot events become unmanageable
  - As more and more exception types need to be handled
- Database exception which could terminate the application abruptly cannot be handled with this mechanism

#### Debugger Enhancements

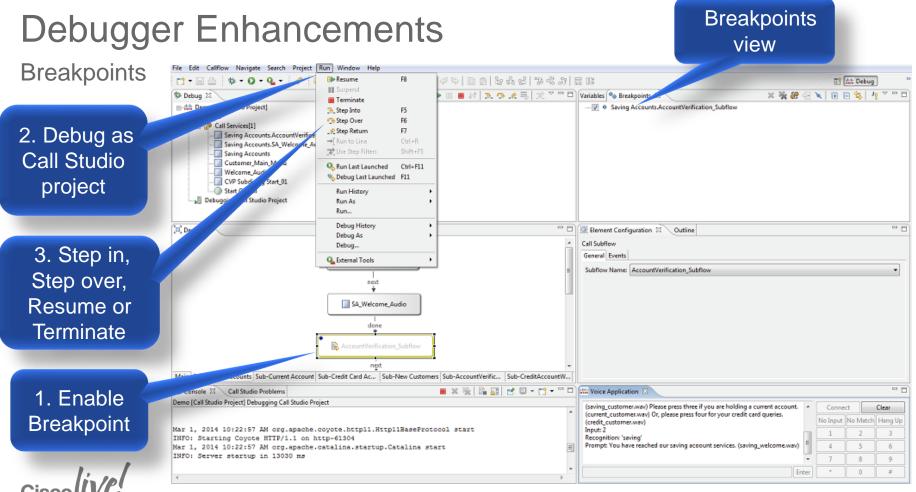
- Built-in simulation and debugging
  - For speech or voice enabled applications
- IDE integrates with local speech resources (MS SAPI)
- Allows setting Breakpoints at any node to inspect data

## Debugger Enhancements

#### **TTS & ASR Integration**

Cisc

type filter text	Debug Settings	+
⊕ General ⊕ Ant ⊖ Call Studio	Session Timeout in Seconds: 300 Speech Settings	
Debug Settings     General     Project     Help     Install/Update     Java     Plug-in Development	<ul> <li>Enable Automatic Speech Recognition (ASR)</li> <li>Enable Text To speech (TTS)</li> </ul>	
⊕. Run/Debug ⊕. Team	Restore Defaults	Apply



#### Debug tool enhancements

#### 10.0

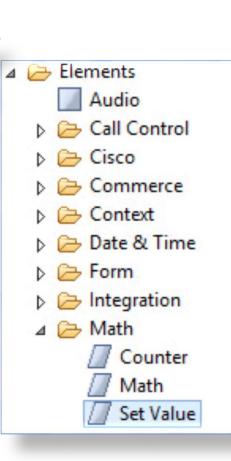
- Embedded VXML Server
- Text based Voice Browser to simulate VXML Gateway.
- User Input Panel to simulate user actions – DTMF inputs & prompt outputs

# 11.0 Enhancements!



#### Local Variables

- · A new element, Set Value is added to Call Studio
  - Define local variables in Call Studio applications
  - Supports string, arithmetic, and logical operations and special functions
  - Use java Scripting
  - Local variables can be used in Substitution and Decision evaluations
  - · The scope of the local variable is within the flow
    - Main Flow or Sub Flow



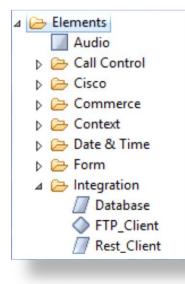


11.0

## **Rest Client Element Overview**

- A new action element Rest\_Client
- Supports HTTP method : GET, POST, DELETE and PUT

- Salient Features:
  - Authentication support
  - Proxy support
  - Two way SSL handshake
  - Timeout support





11.0

Name	Value
<ul> <li>Endpoint URL</li> </ul>	
<ul> <li>HTTP Method</li> </ul>	GET
Parameters	
<ul> <li>Ignore Certificate Validation</li> </ul>	true
Require HTTP authentication	false
Headers	
• Use Proxy	false
XPATH Expression	
<ul> <li>Connect Timeout</li> </ul>	3000
<ul> <li>Read Timeout</li> </ul>	3000

## - Demo -

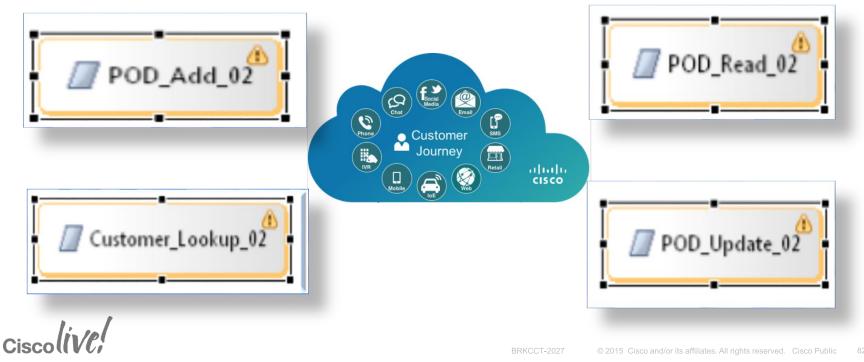
REST Client & Local Variables



## **Context Service**



#### Introducing four new elements



#### **Context Service**

• Two new elements – Create POD & Consumer Lookup Element





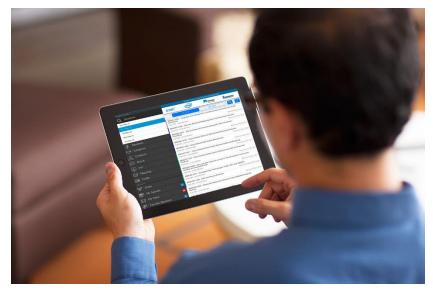
#### Contact Center Sessions Week at a Glance

Monday	Tuesday	Wednesday	Thursday
8:00-9:30 (90) BRKCCT- 1011 Cisco Unified Contact Center Express Update and Roadmap (G. Variyath) 9:30-10:30 (60) PSOCCT-1008 Omnichannel Customer Care - Preparing for the Mobile Customer (K.McPartlan,K.Gouda)) 10:00-11:30 (90) BRKCCT- 1051 Cisco Unified Contact Center Enterprise and CVP Overview and Roadmap (J.Lundy/S.Vashist) 12:00-1:00 Table Topics UCCX (G.Variyath) Finesse(T.Phipps) Color Coding UCCE UCCX Omnichannel	8:00-9:30 (90) BRKCCT-1041 CCE Security Best Practice Guide Overview (C. Gonzales) 11:30-12:30 Table Topic Reporting and Analytics (C.Logue/G.Variyath) 1:00-2:00 (60) CCSCOL-1400 Case Study: Providing a Total Customer Experience (C.Botting, M.Voornhout) 1:00-2:30 (90) BRKCCT-1006 Omnichannel Contact Center Solutions Overview (W.E.Nijenhuis) 1:00-3:00 (2 hr) BRKCCT-3005 Solution Troubleshooting for Unified Contact Center Enterprise (C.Palau) 3:30-5:00 (90) BRKCCT-1031 Cisco Finesse - The Next Generation Agent Collaboration Experience (T.Phipps) 4:00-5:00 (60) CCSCCT-1405 Case Study: American Century	<ul> <li>8:00-10:00 (2hr) BRKCCT-2007</li> <li>Cisco Unified Contact Center Enterprise Planning and Design (M. Berenjian, M.Eady)</li> <li>8:00-10:00 (2hr) BRKCCT-2019</li> <li>Cisco Unified Contact Center Express Planning and Design and Support (G.Burton, M. Turnbow)</li> <li>11:30-12:30 Table Topic</li> <li>UCCE(PCCE, HCS) &amp; CVP (J.Lundy, C.Logue)</li> <li>1:00-3:00 (2hr)</li> <li>BRKCCT-2050</li> <li>Building recording and monitoring applications with the MediaSense API (K.Rehor)</li> <li>1:00-3:00 (2hr)</li> <li>BRKCCT-2056 Contact Center Reporting &amp; Analytics: Unified Intelligence Center (V.Gururaj, C.Logue)</li> <li>3:00-5:00 (2hr)</li> <li>BRKCCT-2027 UCCE Solution Service Creation (including CCE and CVP Scripting) (S. Vashist)</li> </ul>	8:00-9:30 (90) BRKCCT-1002 Hosted Collaboration Service Contact Center Update ( <i>A.Mermel,M.Varghese</i> ) 10:00-12:00 (2hr) BRKCCT-2080 Deliver omnichannel Customer Experience with Remote Expert Mobile ( <i>R.Gupta,Y.Fedotov</i> ) 10:00-11:30 (90) BRKCCT-1005 Context Service: the new cloud-based omnichannel solution for Contact Center Enterprise and Express ( <i>V.Chhabra</i> ) 1:00-2:30 (90) BRKCCT-1009 Cisco Customer Collaboration Architectural Vision and Cloud Evolution ( <i>M.Lepore,T.Famous</i> )

Investments (N.Westvold)

#### **Complete Your Online Session Evaluation**

- Give us your feedback to be entered into a Daily Survey Drawing. A daily winner will receive a \$750 Amazon gift card.
- Complete your session surveys though the Cisco Live mobile app or your computer on Cisco Live Connect.



Don't forget: Cisco Live sessions will be available for viewing on-demand after the event at CiscoLive.com/Online



#### **Continue Your Education**

- Demos in the Cisco campus
- Walk-in Self-Paced Labs
- Table Topics
- Meet the Engineer 1:1 meetings
- Related sessions

# Thank you



# **CISCO** TOMORROW starts here.