# BridgeGate Point Click Care ADT Event Webhook Accelerator



# Overview

This accelerator will assist you in creating a PCC Webhook allowing ADT Events to be sent to a BridgeGate API Endpoint and loaded into a database.

The first step is to configure a webhook. This only needs to be done once and must be approved By PointClickCare before it will be live.

A Webhook will allow BridgeGate to be notified when certain information changes for a patient in PointClickCare, rather than your app frequently polling PointClickCare for changes to a patient's information. Webhooks are particularly useful for apps that want to execute code after a specific event happens in PointClickCare. For example, retrieving the information for a patient after a new patient is admitted to a facility.

After your application is subscribed, PointClickCare's platform starts sending HTTP POST events to your webhook listener.

# Prerequisite:

### Step 1: Register SSL Certificate with PCC

The PCC webhook and APIs requires a SSL Certificate to be added to BridgeGate and registered with PCC. You must login to the PCC Developer portal to create your application and register your SSL. https://developer.pointclickcare.com/

### Step 2: Add SSL Certificate to BridgeGate

1. In the Bridgegate portal select the Certificate Manager option from the configure drop down



2. Add a new Certificate with your chosen Alias, make sure that the Private Key is included.

ADD CERTIFICATE	CREATE NEW JK	S KEYST	ORE	U	LOAD JKS KEYSTOR	E RES	
The Following Certificates w	ere found for BridgeGat	e:					
Find Key Alias			FILTER LIS	т	CLEAR FI	LTER	
BridgeGate Certificate	Manager						
Action 🗢	Key Alias	¢	Туре	¢	Public Algo  🌲	Private Key?	Trusted Cert? \$
Delete Download	YOUR_ALIAS		X.509		RSA	true	false

3. In the Bridgegate portal select the Server Config option from the configure drop down

	Configure	Action
Max Memory 16 GB(s)	Server Config Certificate Mana	ger
Server up Tir 6 Wk(s) 2 Day	Server Log Conf Workflow Log Co	iguration onfiguration
Scheduler Ru TRUE	Kerberos Admin Inning	Istration
Expiration Da 2025/01/01	ate	

### Step 3: Add a URL Rewrite Rule

1. Select the Edit Action on "urlrewrite.xml" from the Downloadable Files List

Downloadable Files List

Action	\$ File Name
Edit Download	*runas2server
Edit Download	urlrewrite.xml
Edit Download	*runftpserver
Edit Download	log4j.xml

#### 2. Add rule changing Placeholders to correct values



### Step 4: Create Tracking Report

1. Inside the Bridgegate Workbench, at the top left select Repository then Tracking Reports

😃 BridgeGate Workbench Account: [sarr					
File	View	Repository	Help		
	Trading	Partner Data			
	Data De	epots			
	Tracking Reports				
	Account Data				
Accelerators					
Predefined Connections					

2. Create a new Tracking Report based off the one below.

g Reports							
Data Sets for Tracking	Report here						
e a copy of a Data Set,	use CTRL+C to copy and CTRL+V to	paste.					
editracking emr. integration	Tracking Report Name emr_in	tegration					
	Field Name:	Data Type:	Size:	Is Insert:	Is Update:	Is Key:	Add Data Field
	TRANS_TYPE	varchar	200	Y	N	N	Delete Data Field
	TRANS_COUNT	integer	11	Y	N	N	Derete Doto Freid
	DIRECTION	varchar	200	Y	N	N	Undo All Changes
	BG_TRANS_ID	bigint	20	Y	N	N	
	ACK_ACCPT_COUNT	integer	11	Y	N	N	
	ACK_COUNT	integer	11	Y	N	N	
	RESOLVED_BY	varchar	200	N	N	N	
	RESOLVED_COMMENT	text		N	N	N	
	RESOLVED_DATE	datetime		N	N	N	
	BG_TIMESTAMP	timestamp		Y	N	N	
	CUSTOMER_ID	varchar	200	Y	N	N	
	DATABASE_SCHEMA	varchar	200	Y	N	N	
	facld	varchar	200	Y	N	N	
	ID	bigint	20	Y	N	N	
	MRN	varchar	200	Y	N	N	
	OFFICE	varchar	200	Y	N	N	
	orgld	varchar	200	Y	N	N	
	PATIENT_ID	varchar	200	Y	N	N	

Example of what a tracking report looks like in the Bridgegate Portal

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	ADT 1	TRAIN-UPDATE	123456789 1	1		2023-1	1-08 12:40:00.0 1234	5 TRAIN	121 000000-000	OFFICE (123456789)	EXAMPLE ID	123456789	Resolve Delete	

# Configuring the Webhook Subscription

### Step 1:

1. In the Bridgegate workbench open Workflow "oauth" and select the Get Data named

"POST to get Auth Token"



2. Change Alias to the Customer Alias you have set up previously in Bridgegate.

#### Select Connection Information to Use:

O Predefined Connection	Current Connection	
Predefined Connection:	Select 🗸	
	Override Predefined Connection	_
Connection Type:	НТТР	~
URL:	https://connect.pointclickcare.com/auth/token	
Request Type:	POST	~
Content Type:	application/x-www-form-urlencoded	~
SOAP Action (opt):		
Key Alias To Use:	YOUR_ALIAS	
Username:		
Password:		
Timeout (secs):	600	Ī
SSL version:	TLSv1.2 ~	

### Step 2:

1. Open Workflow "webhook\_subscribe" and select Variable "WEBHOOK\_SUBSCRIBE\_URL"



2. Select the icon labeled "abc" at the end of the Constant value box to enlarge the contents of the field.

Variable Action:	SET	$\sim$
Field Type:	CONSTANT	$\sim$
Constant Value:	$https://connect.pointclickcare.com/api/public/preview1/webhook-subscriptions?applicationName=YOUR\_APPLICA1 \lor \fbox{a}$	bc
Repeat # Times:	1	

2a). Change place holder application name with correct value.

able Action:	- BridgeGate Workbench	×	
d Type: 1stant Value: 1eat # Times:	https://connect.pointclickcare.com/api/public/preview1/webhook-subscriptions? applicationName=YOUR_APPLICATION_NAME		patient-adt ∨
	Character Table	Done	

- 3. Select Variable "WEBHOOK\_POST"
  - Webhook\_subscribe
     OAuth
     WEBHOOK\_SUBSCRIPT\_URL
     WEBHOOK\_POST
     Webhook Subscript
     Webhook reponse
     Get Subscription
     Subscription\_Results
- 4. Using the "abc" icon to enlarge the contents replace the place holder values with correct values.

Variable Actions:



- List of values needed to be changed in above JSON:
  - applicationName endUrl eventGroupList password username vendorExternalId
- 5. Select Send Data "Webhook Subscript"



#### 6. Change Alias to the Customer Alias you have set up previously in Bridgegate.

Select Connection Informa	ition to Use:	
O Predefined Connection	Current Connection	
Predefined Connection:	Select 🗸	
	Override Predefined Connection	
Connection Type:	нттр	~
URL:	%WF_VARIABLE,SUBSCRIPT_URL%	
Request Type:	POST	~
Content Type:	application/json	~
SOAP Action (opt):		
Key Alias To Use:	YOUR_ALIAS	
Username:		
Password:		
Timeout (secs):	600	]
SSL version:	TLSv1.2 v	Ī

#### 7. Select Get Data "Get Subscription"



- 8. Replace place holder application name at the end of URL with correct value.
- 9. Change Alias to the Customer Alias you have set up previously in Bridgegate.

#### Select Connection Information to Use:

#### O Predefined Connection O Current Connection

Predefined Connection:	Select	$\sim$	
	Override Predefined Connection		
Connection Type:	HTTP		~
URL:	ect.pointclickcare.com/api/public/preview1/webhook-subscriptions?applicationName=YOUR APPLICATION NAM	<u>1E</u>	
Private Key Alias	YOUR_ALIAS	$\overline{}$	
Username:			
Password:			
Timeout (secs):	600	٦	
SSL version:	TLSv1.2	$\sim$	

### Configuring the Webhook

The webhook will be called for all Events. PCC will make a HTTP call and post the event details. This event will not contain patient data. It will contain the key information so BridgeGate can then fetch the patient and other data.

```
{
    "messageId": "b0e74195e7be485889b5690888094b35",
    "resourceId": [
    "6103699"
    ],
    "eventType": "patient.discharge",
    "facId": 999,
    "orgId": 999266,
    "orgUuid": "143F80E7-D11D-4754-AB3F-ZZZZZZ",
    "patientId": 1234567,
    "eventDate": "2023-12-03T23:15:00.000Z",
    "messageDate": "2023-12-04T18:26:14.108Z"
}
```

The webhook workflow is configured to save this event in the /bridgegate/temp folder. It's recommend you use a unique folder based on the customer you are integrating.

### Configuring the Outbound Template

### Step 1: create outbound template.

1. For the outbound template "Patient" you will need to set up the fields based on the Database you are connecting to, In the current template are a few fields to give an idea of what should be included. The PointClickCare inbound template for the JSON Patient is already created. You will need to map it to your unique database schema.



The fields for this table should come from the Database connection you have set up as a Bridgegate PDC

📳 Template Propert	ies 📰 Description 📰 Global Substitutions	Field L
Data Type: [	DATABASE	~
Connection:	Select	~
connection.	Show DB Columns Sorted	·
	Include Null Columns in SQL	
	Connect To Selected Database	
Inbound Dependenc	v:	
Template Group:	pcc	~
Template:	patient	~ View

# Step 2:

1. In the outbound template "Patient" select the Tracking report and map the values from the previously created Tracking report.



Tracking Report Properties	Description	
Tracking Report Name	EMR Report	
Tracking Report:	emr_integration	~
Statement Type:	Insert	~
Tracking Report Fields:	Field Name	^
	TRANS_TYPE	
	TRANS_COUNT	
	DIRECTION	
	BG_TRANS_ID	
	ACK_ACCPT_COUNT	
	ACK_COUNT	
	BONAFIDE_CUSTOMER_ID	
	DATABASE_SCHEMA	
	facld	~

# Configuring the Workflow to load the data

### Step 1: update workflow

1. Open Workflow "load\_adt\_patient\_into\_db"

This workflow is setup to support multiple PCC client integration. If you only have one the Trading Partner and Facility mapping can be removed. To support multiple PCC client using one webhook create a Trading Partner for each client. The trading partner lookup uses the OrgUID. This should be a key / searchable filed in your trading partner.

2. Update facility Mapping

PCC has facility ID that are part of the Event. This ID is used to identify a unique facility. Most systems will require a cross walk to map to your customers facility. The Facility Mapping / Look is an example of a simple Dictionary Lookup.

3. select the Get data "Get Patient"



4. Change Alias to the Customer Alias you have set up previously in Bridgegate.

#### Select Connection Information to Use:

O Predefined Connection					
Select 🗸					
Override Predefined Connection					
НТТР	~				
%WF_VARIABLE,GET_PATIENT%					
YOUR_ALIAS ~					
600	]				
TLSv1.2 ~					
	Current Connection  Select  Override Predefined Connection  HTTP  %WF_VARIABLE,GET_PATIENT%  YOUR_ALIAS  FOUR_ALIAS  TLSv1.2				

Step 2: Open Workflow "simulate\_adt" and select Send Data "Send Sim Request". This workflow can be used to simulate an ADT from PCC.



Change Alias to the Customer Alias you have set up previously in Bridgegate.

#### Select Connection Information to Use:

O Predefined Connection					
Predefined Connection:	Select 🗸				
	Override Predefined Connection	-			
Connection Type:	HTTP	~			
URL:	%WF_VARIABLE,SIMULATE_URL%				
Request Type:	POST	~			
Content Type:	application/json	~			
SOAP Action (opt):					
Key Alias To Use:	YOUR_ALAIS				
Username:					
Password:					
Timeout (secs):	600	]			
SSL version:	TLSv1.2 V	Ī			