#

**Proof of Concept Scoping Document**

for

**Capgemini**

Company / Department Description: Capgemini

Customer Main Contact Name: Niti Chaven, Ajay Walgude

Customer Main Contact Phone: N/A

Customer Main Contact Email: nitinkumar.chavan@capgemini.com, ajay.walgude@capgemini.com

Instana Solution Architect / Engineer: oscar.ricaud@ibm.com

The purpose of this scoping document is to assist in the preparation and implementation of the Instana Proof of Concept (POC) for abc.co. It will summarize the goals, technical success criteria, POC application environment, and personnel contacts to ensure that the POC requirements are understood and expectations set appropriately among the participants.

|  |
| --- |
| **Instana Infrastructure**How will the POC installation be conducted? As an on premise installation where you host the controller within your own environment? Or using the SaaS solution, where we provide the central server (backend) and you only deploy the agents?**SaaS**I acknowledge and consent to that members of the Instana Solution Architect team may access the dedicated processing environment made available for the evaluation of Instana's services for the sole purpose of assisting with and the duration of the evaluation.**Yes** |
| Planned PoC Start Date:**Week of Aug 7th**Planned Tech Sync Dates:Biweekly, Aug 7th, 9th, 14th,17th, 21st  |
| Agent deployment during POC: Dynamic / DefaultPlanned Instana deployment for production: SaaSTenant Name / Tenant Unit Name: capgemini-dev-instana.instana.ioAuthentication: Basic AuthenticationInternal Instana Ref #: 0063h00000LBhJuAAL |

|  |
| --- |
| Problem Statement 1 |
| We want to tackle the following problem  | Capgemini needs visibility across their z-hybrid applications |
| At the moment we are doing this | Are using AppDynamics, Dynatrace, new relic to monitor existing application using Splunk for logs |
| We envision the following solution | A solution where you can get visibility on the mainframe. e.g end to end across non/zos components to z/os components like transactions on CICs. |
| This will tell us if we are successful | Provision a SaaS Instana instance that leverages Omegamon to capture metrics and able to view an end-to-end request by leveraging the light agent Z/APM Connect |
| SLAs which are affected?  | This is a demo we are not looking at SLA at the moment. |

|  |
| --- |
| Current Architecture |
| Application Architecture JAVA-BODY |  (see below diagram) |
| How is the application accessed? | The application is hosted on Azure and accessed via web URL\_\_\_\_\_ |
| Are external 3rd party services in use? | \_\_No\_\_\_ |
| Application | Small business client onboarding app (offering, i.e I am a financial institute and target small business organizations, they want to do business with us, first we need to onboard them onto their system, i.e what kind of organization, who is who, what is their contact information and collect information to onboard their customer) |
| Business Function | \_\_\_Onboard customers and create account \_\_ |
| Is this application mission critical? | \_\_No\_\_\_ |
| Number of hosts monitored (appx.) | Power Platform v.x.x.x, 1 CICS LPAR (VSAM and zOS Connect)\_\_\_ |
| Number of containers monitored (appx.) | \_\_0\_\_\_ |
| Number of public cloud services monitored (appx.) | \_\_0\_\_\_ |

|  |
| --- |
| Current Monitoring |
| Today we are ... |
| … monitoring with  | Monitoring is not set up for this onboarding application, |
| … tracing with | NA |
| … analysing logs with | NA |
| … create dashboards with | NA |
| … doing synthetic monitoring with | NA |
| … monitoring endusers with | \_NA\_\_ |
| … running load test with | N/A |
| … running CI/CD with | N/A |
| … deploying | \_\_Manual deployment\_\_\_ not using CI/CD, developer makes a change and deploy on azure,  |
| … missing the following in our monitoring | \_\_The monitoring is currently not setup, this is a demo app\_\_\_ |

##

|  |
| --- |
| Technology Stack |
| Programming languages / runtimes | PowerFX (no code/low code programming) v.x.x, COBOL for z/OS 6.3.0 P230505, CICS TS v5.5, z/OS Connect API EE 3.0, Swagger/JSON v.x.x, IBM Z APPLICATION PERFORMANCE MANAGEMENT CONNECT 6.1.0 |
| Frameworks |  PowerApp v.x.x, PowerAutomate v.x.x |
| Web & Application Server | NA |
| HTTP Clients | Webbrowser |
| Database Clients | Connectivity through API (z/OS connect) |
| Caching | N/A |
| Logging Frameworks | N/A |
| Container Technology | \_\_N/A\_\_\_ |
| Orchestration | \_\_N/A\_\_\_ |
| Service Mesh | \_\_N/A\_\_\_ |
| Operating Systems | \_\_Power Platform on Azure (front end), z/OS (for mainframe)\_\_\_ |
| Cloud Services | \_\_N/A\_\_\_ |
| Datastorages | \_\_Dataverse, VSAM \_\_\_ |
| Middleware | \_\_z/OS connect APIs\_\_\_ |
| Messaging & Async Technologies |  \_\_Outlook connector for emails\_\_\_ |

|  |
| --- |
| POC Task list |
| Provision SaaS backend | Instana will provision SaaS backend: capgemini-dev-instana.instana.io |
| Install agents into targeted applications (2hrs) | Install the necessary agents on the host \_\_\_, \_\_\_\_, \_\_\_, \_\_\_, that we need to monitor.  |
| Validate the distributed trace flow in Instana UI (0.5 hrs) | Validate that end users are able to login to the SaaS instance of Instana and is able to view a distributed trace flow. |
| Install and configure distributed gateway (2 hour) | Component necessary for all types of tracing on z/os. |
| Install and configure common data provider (2 hour) |  Required for JDBC to DB2 tracing. |
| Install and configure base (2 hour) | Required for MQ, CICS, and IMS related tracing |
| Validate connection between distributed gateway and base (1 hour) | Able to communicate between distributed gateway and base  |
| Install CICS data producer (2 hour) | On each CICS TS we must install the CICS Data producer  |
| Install zCEE interceptor (2 hour) | On each ZCEE install  |
| Validate end to end request (1 hour) | Validate that Instana + Omegamon can capture metrics on the targeted z machine/LPAR and trace transaction requests flowing in to CICS and/or IMS.  |
| POC tech syncs (1hr) | Scheduled as needed to review POC, answer questions and provide general Instana knowledge transfer |
|  |  |
|  |  |
|  |  |
|  |  |

