



Pega CSA 8.7

(Pega System Architect Certification | PEGAPCSA87V1)

Course Overview:

This certification course is intended for System Architects and Application Developers who are directly involved in the design and construction of applications built on Pega.

The Pega Certified System Architect (PCSA) certification is for developers and technical staff members who want to learn how to develop Pega applications. This certification provides a baseline measurement on your knowledge of Pega applications. The PCSA Version 8 exam includes scenario questions, multiple choice questions and drag/drop items

By the end of this course, you will be able to successfully:

- To attain the Pega PCSA certification.
- To get familiar with the Pega platform and application building.
- To work with the various rules that are used to build the application.

Material Provision for this course:

- Training recordings will be shared

Course Duration:

- 30 Hours Approx

Course Topics:

01	Introduction to OOP and BPM	<ul style="list-style-type: none"> ● Introduction to Object Oriented programming ● OOP Concepts ● Introduction to Process, Business Process, BPM ● Benefits of BPM Solutions ● Various BPM tools in the Market ● Introduction to Case Management
02	Introduction to Pega	<ul style="list-style-type: none"> ● What is Pega ? ● Evolution of Pega Platform ● Pega Footprint in various domains ● Introduction to Pega Infinity ● Pega Capabilities ● Pega Installation ● Introduction to Pega Studios ● Roles on a Pega project
03	Creating a Pega Application	<ul style="list-style-type: none"> ● Exploring the Pega Studios ● Introduction to the Dev Studio ● Creating a Pega application ● Introduction to creating a Framework application ● Working on creating an Implementation Application ● Difference between Framework & Implementation applications
04	Introduction to Case Design	<ul style="list-style-type: none"> ● Introduction to Case types ● What is a Case life cycle ● Design a case type ● User context ● Updating Case status ● How to add instructions to assignments
05	Controlling Case workflow	<ul style="list-style-type: none"> ● Parallel processing ● How to perform processes in parallel ● Alternate Paths ● Optional actions ● Adding optional actions to a case ● Skipping processes and stages ● How to skip a process or stage in a workflow

06	Smart Shapes, Flow Action, Sections	<ul style="list-style-type: none"> ● Introduction to Smart Shapes ● Process Flow Rule ● Flow Action Rule ● Introduction to Section. ● Layouts & Controls in Section ● Creating Work Object & Tracking WO ● Where am I
07	Flow Action Processing, Operator Profile	<ul style="list-style-type: none"> ● Introduction to flow action pre- and post-processing ● Pre- and post-processing in flow actions ● Configuring pre- and post-processing for flow actions ● Operator Profile ● Application and Access groups
08	Data Elements , Data Types	<ul style="list-style-type: none"> ● Introduction to adding fields to a case type ● Data elements in Pega applications ● Page Mode & Value Mode properties ● How to manage properties ● How to reference a property ● Defining properties ● User views & Configuration of user Views
09	Data Modelling, Clip board Structure	<ul style="list-style-type: none"> ● Introduction to data in memory ● Data storage in memory ● Clipboard ● Types of Pages in Clipboard ● pyWorkPage ● How to view clipboard data ● How to use and set property values with the Clipboard ● Tracer
10	Types of Inheritances	<ul style="list-style-type: none"> ● Inheritance Types in PEGA ● What is Direct Inheritance & Pattern Inheritance ● Concept of Dual Inheritance ● Introduction to Class Structures
11	Configuring Data Transforms	<ul style="list-style-type: none"> ● Manipulating case data ● Introduction to setting property values automatically ● Data transforms ● How to set values with data transforms ● How to set default property values ● Data transforms and superclassing

12	Data Pages	<ul style="list-style-type: none"> ● Introduction to Data Pages ● How to configure a Data Page ● Source data to Data Elements with Data Pages ● Load Management
13	Introduction to Activity	<ul style="list-style-type: none"> ● Using Activity to define Business logic ● Configuring Activity ● How to Call One Activity from Another Activity ● Various methods in Activity ● Understanding the Difference between Call, Branch & Queue
14	Routing Assignments to Users	<ul style="list-style-type: none"> ● Routing work to users ● How to route assignments ● Introduction to Worklist & Work Baskets ● How to configure custom routing ● Case approval configuration ● How to configure a single level approval ● How to configure cascading approvals ● Creating workgroup & workbasket
15	Configuring Decision Rules	<ul style="list-style-type: none"> ● Decision points ● How to add a decision point to a process ● Decision Rules in PEGA. ● How to call Decision Rules ● When rule, Decision Table, Decision Tree & Map Value ● Using Fork option in Decision Shape of Flow ● Configuring a when rule, decision table, decision tree & Map Value ● Unit testing the Decision rules ● Decision Shape in Flow, Activity Methods & Declare ● Expression Functions. ● Rule Delegation
16	Configuring Declare Rules	<ul style="list-style-type: none"> ● Introduction to Declarative Processing ● Declare Expressions ● Declare Constraints ● Declare On Change ● Declare Trigger ● Declare Index ● Declare Collection

		<ul style="list-style-type: none"> ● Forward Chaining & Backward Chaining
17	Property Optimization	<ul style="list-style-type: none"> ● Declare Index. ● Introduction to optimizing report data ● Data storage in Pega applications ● Property optimization ● Optimizing properties for reporting
18	Report Definitions	<ul style="list-style-type: none"> ● Reporting: Creating business reports ● Introduction to creating business reports ● The role of reports ● Business and process reports ● The Report Browser ● How to create a report ● How to organize report results ● Creating a report ● Organizing report results
19	Service level Agreements	<ul style="list-style-type: none"> ● Setting a service level ● Service level agreements ● How to add a service level to an assignment ● How to add a service level to a case ● How to add service levels throughout the case life Cycle
20	Rule sets	<ul style="list-style-type: none"> ● What is Ruleset ● Rule Set and Versioning ● How to create a new rule-set version ● How to lock a rule set version ● About Check-in, Check-out & Private edit
21	Validate Rules	<ul style="list-style-type: none"> ● Introduction to validating user data ● Methods of data validation ● Validate rule ● Edit validate rule ● Configure validate rule and edit validate rule ● Validating a flow action using validate rule
22	Designing the Sections and Layouts	<ul style="list-style-type: none"> ● How to build a section rule ● How to build a section for reuse ● Creating dynamic layouts in a section

		<ul style="list-style-type: none"> Using different types of layouts and controls
23	Correspondence	<ul style="list-style-type: none"> Introduction to configuring and sending correspondence Case communications Sending an email from a case How to configure correspondence rules
24	Unit testing rules	<ul style="list-style-type: none"> Introduction to Unit testing rules Unit testing How to unit test a rule
25	Delegating rules	<ul style="list-style-type: none"> Delegating Rule management to Business Users Business Rule delegation How to delegate rules to business users
26	Application Debugging	<ul style="list-style-type: none"> Application Debugging Tools Clipboard Tracer Reviewing Log files Live UI Analyzing application performance
27	Security	<ul style="list-style-type: none"> Application Security Managing Access control Adding roles to an access control model Managing access to individual rules Managing user access with access groups
28	Release management with Pega Platform	<ul style="list-style-type: none"> DevOps Continuous Integration DevOps Technology Deployment Manager
29	Styling an Application	<ul style="list-style-type: none"> Introduction to styling an application Styling an application with skins How to customize an application appearance with skins Controlling application appearance with a skin
30	Interview Preparation Tips Discussion	<ul style="list-style-type: none"> Interview Questions, Preparation Tips & Discussion



PegaGang Offering Courses ::

- Pega Certified System Architect (PCSA)
- Pega Certified Senior System Architect (PCSSA)
- Pega Certified Lead System Architect (PCLSA- Part-1 Architect & Part-2 App Build)
- Pega Certified Business Architect (PCBA)
- Pega Certified Robotics System Architect (PCRSA)
- Pega Certified Decisioning Consultant (CPDC)
- Pega Certified User Interface Specialist (CUIS)
- Pega Certified Marketing Consultant (PCMC)
- Pega Testing
- Pega Administration

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