



Pega Certified Lead System Architect (PCLSA)

(Pega CLSA - Part 1 & Part 2)



Course Overview:

After this Pega CLSA Training Consultants Who are Pega CSSA (Pega Senior System Architects) Certified are confident that they can configure a Pega solution to successfully meet most business requirements, they can take the Pega LSA Readiness Assessment. The Pega LSA Readiness Assessment is an assessment that checks knowledge on more advanced configuration topics such as Mobility, Performance, and Authentication, score validates that senior system architects are ready to move to the next level of Pega mastery – design and architecture.

Pega CSSA (Pega Senior System Architects) who pass the LSA Readiness Assessment can register for the Lead System Architect course. This course teaches best practices in technical design and architecture of a Pega application. System architects use their configuration skills to build an application that they design and architect.

Course Pre-Requsite:



PCLSA is the highest level of technical achievement in Pega. Prior to training as a Lead System Architect, individuals must gain field experience and demonstrate their technical aptitude by earning first their System Architect and then their Senior System Architect certifications.

To complete the PCLSA certification, system architects must take and pass two exams in the following order:

- Pega Architecture Exam
- LSA Architecture Design/Application Build



Material Provision for this course:

- Training recordings & Course Materials will be shared.

Course Duration:

- 60 Hours Live Training

Course Topics:

01	Introduction	<ul style="list-style-type: none">• Introduction to the training module, contents, purpose, structure etc.
02	Pega Platform Design	<ul style="list-style-type: none">• Understand deployment options; how deployment choices affect design decisions.• Incorporate application monitoring and performance.• Use distributed application case interactions.• Describe the design approach when architecting a Pega application; Center-Out Business architecture.• Leverage Pega applications; Identify when to incorporate other Pega products.• Develop with App Studio.• Describe how Pega interacts with existing enterprise technologies.• Exam scenario 1: We will continue with this throughout the training.
03	Application Design	<ul style="list-style-type: none">• Design an effective case structure; Design case hierarchy and relationships between cases; Case design patterns.

		<ul style="list-style-type: none"> ● Evaluate when to use ruleset, class, and circumstance specialization. ● Decide when to use pattern inheritance and organization hierarchy specialization. ● Analyze various approaches to specializing an application to support a specific set of requirements. ● Leverage versioning to support reuse. ● Identify the role of a COE in reuse.
04	Data Model Design	<ul style="list-style-type: none"> ● Design a case data model to support reuse and integrity ● Understand data model best practices ● Extend an industry foundation model ● Know the benefits of using an industry foundation data model
05	User Experience Design	<ul style="list-style-type: none"> ● Provide thought leadership in the area of UX; where UX fits into the design architecture. ● Identify application functionality that can impact UX. ● Understand how the Digital Experience (DX) API can be used to create custom UI. ● Design UX using Cosmos. ● Understand where Mashups are used and how they fit into the design of a Pega Platform solution. ● Understand the importance of using Design Templates to ensure App Studio compliance.
06	Security Design	<ul style="list-style-type: none"> ● Determine the appropriate authentication model/strategy for a given use ● Determine the appropriate authorization model for a given use (role vs. attribute-based) ● Identify and configure roles and access groups for an application ● Establish dependent roles hierarchy ● Determine the rule security mode ● Identify security risks and potential vulnerabilities ● Detect and mitigate possible attacks ● Secure a Pega application in production ● Use security event logging ● Use security best practices

07	Reporting Design	<ul style="list-style-type: none"> ● Design appropriate reporting strategy based on business need ● Design reports for performance ● Identify and solve performance problems in reports ● Produce queries that reference ancestors within a case hierarchy ● Produce queries based on generated or reformatted data ● Produce queries that include SQL Functions; Complex SQL ● Use associations, class joins, subreports
08	Asynchronous Processing Design	<ul style="list-style-type: none"> ● Evaluate and determine appropriate background processing design option ● Design and configure asynchronous processing for integration ● Optimize default agents for an application.
09	Work Delegation Design	<ul style="list-style-type: none"> ● Identify when to use Push routing and Pull routing ● Leverage work parties ● Use and customize Get Next Work ● Identify alternate ways to find work ● Manage flow changes for cases in-flight ● Use and manage problem flows to resolve flow issues
10	Deployment and Testing Design	<ul style="list-style-type: none"> ● Apply production deployment best practices ● Define a release pipeline ● Identify continuous integration and delivery tasks ● Develop deployment strategies ● Assess and monitor quality ● Design and automate testing strategies ● Create a custom guardrail warning ● Establish quality measures and expectations on your team ● Customize the rule check-in approval process
11	Exam scenario 2	<ul style="list-style-type: none"> ● Full fledge app design and build practice
12	CLSA Certification Part 1	<ul style="list-style-type: none"> ● Tips and queries

13	CLSA Certification Part 2 Phase 1 (App Design)	<ul style="list-style-type: none">• Tips, guidance and queries
14	CLSA Certification Part 2 Phase 2 (App Design)	<ul style="list-style-type: none">• Tips, guidance and queries

Trainer Profile:

Pega Certified CLSA, working as an architect in designing and developing Pega applications. Worked on different Pega frameworks including Pega Customer Service, Pega Marketing and Pega CRM. Worked in several customer locations to resolve high priority issues. Handled challenging situations during upgrades, performance and memory leak issues.

- Architect and Design of Pega application under ministry of law for Singapore Government.
- Worked at Company Headquarters Boston, USA to design the key features for Pega 8.
- Worked with multiple Customers in the USA to handle their escalated issues.
- Received appreciation from client towards my work with customer Amex, Florida
- Delivered Seminars to partner companies Infosys, Capgemini etc. on Pega CRM Implementations
- Implemented many POCs on Pega platform to support sales team on Pega.

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 COSMOS UI**