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Document: Pega Certified System Architect Exam Blueprint
Updated: August 31, 2016
The Pegasystems Certified Professional Program

The Pegasystems Certified Professional Program has created a worldwide community of thousands of Certified Professionals, drawn by a commitment to excel in their ability to deliver world class Pega applications.

When a System Architect participates in the design and development of a Pega application there are fundamental, essential Pega skills and knowledge areas that must be applied to ensure success. These skills and knowledge areas form the basis of the certification exam.

Pegasystems is committed to providing you with the training, tools, and knowledge needed to achieve certification as a Certified System Architect (CSA).

About the Exam Blueprint

The purpose of the blueprint is to provide you with a roadmap of the System Architect Certification exam content, which helps you to better prepare for the exam.

The blueprint includes test domain weighting, test objectives, and topical content. The topics and concepts are included to clarify the test objectives.

The exam is based upon the knowledge areas necessary for a System Architect to be able to participate in the successful design and development of Pega applications.

Candidates are tested on their:
- Understanding of the Pega platform including Designer Studio and DCO tools
- Ability to analyse business needs and organize them into stages and steps in a Pega application
- Ability to apply key concepts and techniques in the design and construction of the components of a multi-process application
- Ability to apply Pega 7 application design principles and best practices on projects

Prerequisites

The suggested training prerequisites for this certification level are:
- System Architect Essentials (7.2) course

The skills and knowledge areas measured by this exam are derived directly from the content of this course.
Exam Test Domains

The table below lists the test domains and the extent to which they are represented as an estimated percentage of test items.

<table>
<thead>
<tr>
<th>Test Domains</th>
<th>% of Exam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Design</td>
<td>7%</td>
</tr>
<tr>
<td>Case Design</td>
<td>30%</td>
</tr>
<tr>
<td>Data Model</td>
<td>19%</td>
</tr>
<tr>
<td>Decision Design</td>
<td>7%</td>
</tr>
<tr>
<td>UI Design</td>
<td>20%</td>
</tr>
<tr>
<td>Report Design</td>
<td>7%</td>
</tr>
<tr>
<td>Integration</td>
<td>6%</td>
</tr>
<tr>
<td>Testing</td>
<td>4%</td>
</tr>
<tr>
<td>Total</td>
<td>100%</td>
</tr>
</tbody>
</table>

Exam Format

The exam consists of 70 questions and three additional questions that are experimental items and not scored. You are given 90 minutes to complete the exam and the Non-Disclosure Agreement (NDA) requirement. A passing score of 65% (subject to change without notice) is needed to be recognized as a Certified System Architect (CSA).

Question Format

The examinee selects from one or more response options to answer a question. A response is considered correct when it accurately completes the statement or answers the question. Distracters or incorrect answers are plausible response options that examinees with incomplete knowledge are likely to choose.

Pega certification exams can contain any of the following test question formats:

- **Multiple Choice** — Select one option that best answers the question or completes a statement.
- **Multiple Responses** — Select more than one option that best answers the question or completes a statement. If multiple responses are required, the text states how many responses the examinee must choose.
- **Matching** — Select an item in column 1 and associate it with the correct response in column 2.
Test Topics

Application Design
- System Architect responsibilities
- Pega application development guardrails
- Classes and class structure
- Circumstancing rules

Case Design
- Case steps and stages
- Cases and sub cases
- Routing
- Service levels
- Activities
- Correspondence
- Work status
- Work parties

Data Model
- Properties and data types
- Data transforms
- Declarative processing
  - Declare expressions
  - Forward and backward chaining
- Reference data
- Data pages

Decision Design
- When rules
- Decision tables
- Decision trees

User Interface (UI) Design
- Basic UI rules and their uses
  - Section
  - Paragraph
- Dynamic UIs
- Responsive UIs
- UI Controls

Report Design
- Report types in Pega 7
- Creating reports
- Filters
- Optimization
Integration
- Connectors
- Services

Testing
- Methods to debug Pega applications
  - Tracer
  - Live UI
  - Clipboard