

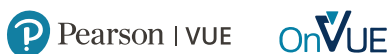
SERVICE API

DESIGN & MANAGEMENT COURSE

SERVICE API SPECIALIST CERTIFICATION



PROFESSIONAL
CERTIFICATION
COALITION



Arcitura®
OFFICIAL GUIDE

Service Technology School

The Service Technology School from Arcitura provides a formal education and accreditation program dedicated to the fields of Microservices, Service APIs and SOA, including analysis, modeling, design, architecture, security and governance.

For more information and to download the academy catalog, visit the Service Technology School home page:

arcitura.com/st



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SELF-STUDY WITH ELEARNING



eLearning Made Easy

Helping you achieve success in your education and career goals is our top priority. At Arcitura, we understand that everyone has different requirements and preferences when it comes to self-study.



All Arcitura courses are available for self-study via eLearning.



Upon purchasing a course, you receive access via an online interactive eLearning platform.



To provide you with the greatest flexibility, you will be offered the option of also accessing the course materials via two additional eLearning formats.



The additional eLearning formats are provided to you upon request and at no extra cost.

arcitura.com/elearning

eLearning Formats



For Everyday Learning

An online interactive eLearning platform with individual lessons, as well as interactive and automatically graded exercises and practice questions.



For Learning On-the-Go

A study kit platform with access to full course documents that support online/offline synching, annotations, comments and custom bookmarks.



For Your Reference

A set of printable PDF documents that you can keep (for all course workbooks and posters).

Each Arcitura eLearning course includes a self-test to help you assess your readiness to take a certification exam. Separate Exam Prep Kits are also available with additional online interactive practice questions that are automatically graded.

INSTRUCTOR-LED TRAINING & COACHING



Arcitura works closely with its network of authorized training partners to provide online and onsite instructor-led training workshops to organizations throughout the world, including many corporations, federal government agencies and numerous Fortune 500 organizations.

Arcitura and its partners have Certified Trainers and supporting staff that are highly experienced in the planning, delivery and management of private and public training events that can be tailored to your learning objectives and scheduling preferences.

arcitura.com/training

Instructor-Led Services



Online Training

Training workshops for Arcitura courses can be delivered by Certified Trainers online via virtual classrooms.



Onsite Training

Training workshops for Arcitura courses can be delivered by Certified Trainers onsite at your location or at an external venue.



Online Coaching

Certified Trainers are available to provide virtual coaching services that can be scheduled on an hourly basis.

For Groups & Individuals



Workshops for Groups or Individuals

Training workshops can be delivered for small and large groups. Online training workshops can also be arranged for individuals.



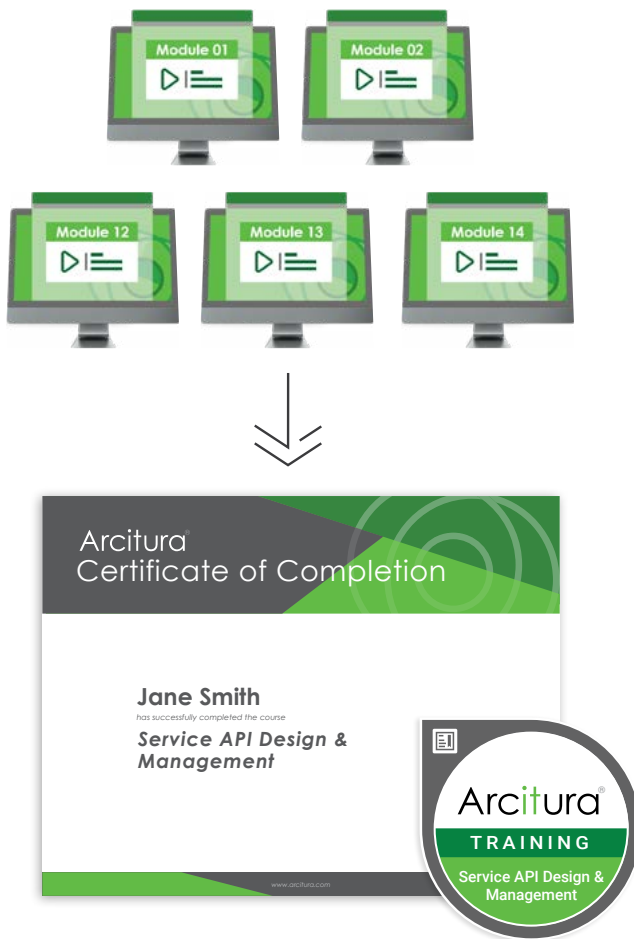
Coaching for Groups or Individuals

Virtual coaching sessions can be arranged for groups and individuals to provide supplementary guidance and to assist with exam preparation.



Training Programs for Multiple Groups

Larger training programs involving multiple groups can be managed and coordinated and further supplemented with ongoing reporting.



HOW TO GET STARTED

The Service API Design & Management course provides comprehensive coverage of API design and management techniques and models, including versioning. Topics cover serialization, REST and RPC protocols, API coupling types, granularity levels, proxies and gateways, as well as advanced service API design and management practices, binary and non-binary data serialization protocols (Protocol Buffers, Apache Avro) and RPC-based service API protocols (gRPC, GraphQL, Falcor).

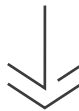
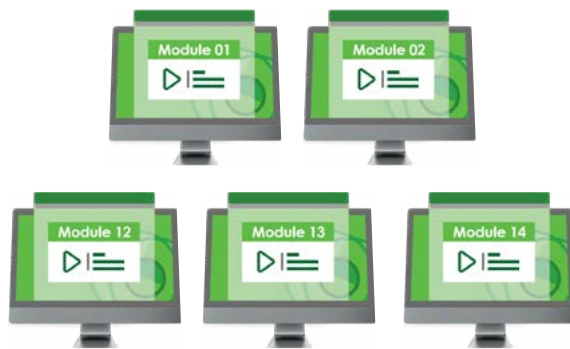
The course is comprised of a set of modules. Each module has a set of lessons and is further supplemented with exercises to help reinforce your understanding of key topics.

Upon completing the course you can obtain a digital certificate of completion, as well as a digital training badge from Acclaim/Credly, with an account that supports the online verification of your course completion status.

Additional resources are available to assist you with completing this course, including downloadable digital course files, printed course materials, coaching hours and instructor-led training services.

The Service API Design & Management course can be used to prepare for the Service API Specialist Certification exam, as explained on the following page.

For more course details, including individual course module topic outlines, visit the [Course & Certification webpage](https://arcitura.com/courses) via arcitura.com/courses.



HOW TO GET CERTIFIED

The Service API Design & Management course prepares you for the official Service API Specialist Certification exam.

Upon attaining a passing grade on the certification exam you will receive an official digital accreditation certificate and a digital certification badge from Acclaim/Credly, with an account that supports the online verification of your certification status.

Additional resources are available to assist you with preparing for the certification exam, including practice exam questions, downloadable digital course files, printed course materials, coaching hours and instructor-led training services.

To learn more about the Service API Specialist certification bundle that includes the course, exam and practice questions at a discount, visit the [Course & Certification webpage](#) via [arcitura.com/store](#).



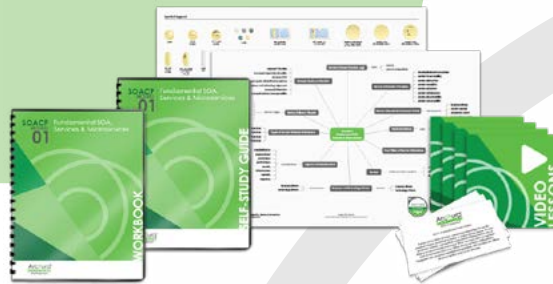
SERVICE API DESIGN & MANAGEMENT COURSE

The Service API Design & Management course provides comprehensive coverage of API design and management techniques and models, including versioning. Topics cover serialization, REST and RPC protocols, API coupling types, granularity levels, proxies and gateways, as well as advanced service API design and management practices, binary and non-binary data serialization protocols (Protocol Buffers, Apache Avro) and RPC-based service API protocols (gRPC, GraphQL, Falcor).

The Service API Design & Management course is comprised of 5 course modules. Each has an estimated completion time of 10 hours. Shown here are the contents of each course module, followed by the individual course module outlines.

MODULE 01:

Fundamental SOA,
Services & Microservices



- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Symbol Legend Poster
- Practice Exam Questions
- PDFs of Workbook and Posters (printable)

MODULE 02:

Microservice Technology
Concepts



- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Practice Exam Questions
- PDFs of Workbook and Poster (printable)

MODULE 12:

Fundamental
Service API Design &
Management



- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Understanding XML, XML Schema, WSDL, SOAP and WS-Policy Supplement
- Practice Exam Questions
- PDFs of Workbook and Poster (printable)

MODULE 13:

Advanced Service API
Design & Management



- Workbook Lessons (100+ pages)
- Video Lessons (for all topics)
- Interactive Exercises
- Mind Map Poster
- Practice Exam Questions
- PDFs of Workbook and Poster (printable)

MODULE 14:

Microservice
Architecture &
Containerization Lab

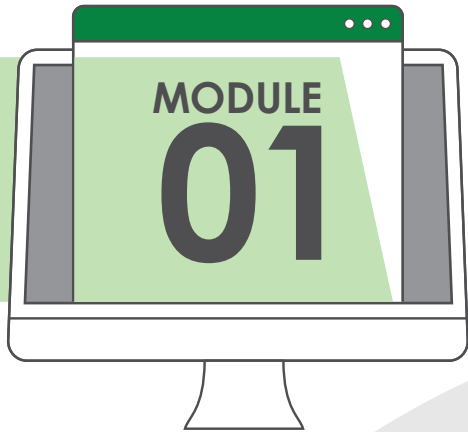


- Lab Exercise Booklet
- Mind Map Poster
- Practice Exam Questions
- PDFs of Exercise Booklet and Poster (printable)

Partial Course Available

For those of you that have already completed some of the modules in this course (most likely because they were also part of a different course you completed), a partial version of this course is available. Visit the [Partial Courses & Certification Bundles webpage](#) for more information about partial courses.

Fundamental SOA, Services & Microservices

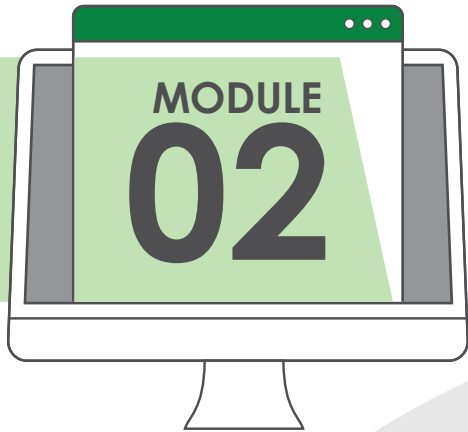


This course module provides an easy to understand, end-to-end overview of contemporary service-oriented computing, including concepts and technologies pertaining to modern-day services and microservices, as well as business and technology-related topics pertaining to service-oriented architecture (SOA).

The following primary topics are covered:

- Business and Technology Drivers for SOA, Services and Microservices
- Strategic Goals and Benefits of Service-Oriented Computing
- Plain English Introduction to Services and Microservices
- Fundamental Characteristics of a Service-Oriented Architecture
- Understanding Service-Orientation as a Design Paradigm, including coverage of the Four Pillars of Service-Orientation
- Introduction to Service Layers, Service Models and Service Compositions
- Service Inventories, Service Layers and Service API Governance and Management
- Introduction to Common Service Technologies, including API Gateways, Virtualization, Containerization
- Introduction to Cloud Computing and Cloud Services
- Adoption Impacts and Requirements, including considerations for Governance, Infrastructure, Performance and Standardization

Microservice Technology Concepts

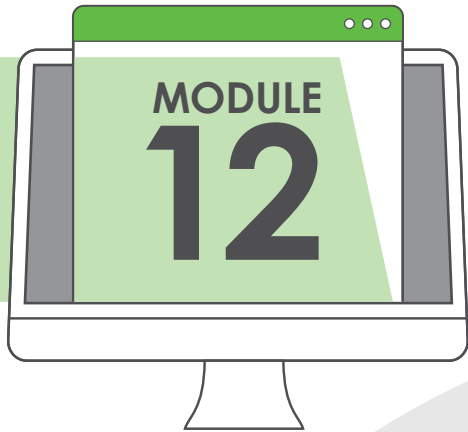


This course module focuses on modern service technologies, models and concepts that have established de facto implementation mediums for building contemporary services-based solutions. Also covered are fundamental terms, concepts and models pertaining to cloud computing and cloud-based services.

The following primary topics are covered:

- Comparing Service Implementation Mediums
- Service Roles and Service Agents
- Message Exchange Patterns and Service Activities
- Basic XML, XML Schema, JSON and JSON Schema Concepts
- HTTP Methods, Response Codes and Headers
- Basic REST Service Concepts, including Properties and Constraints
- REST Services, Contracts, Resources and Messaging
- Hypermedia and Late Binding
- Basic WSDL and SOAP Concepts
- WS-* Technologies
- Web Service Contracts, Messaging and Registries
- Cloud Computing Concepts
- Vertical and Horizontal Scaling
- Multitenancy, Elasticity and Resiliency
- On-Demand Usage, Ubiquitous Access and Measured Usage
- Public, Private and Hybrid Clouds
- IaaS, PaaS and SaaS

Fundamental Service API Design & Management

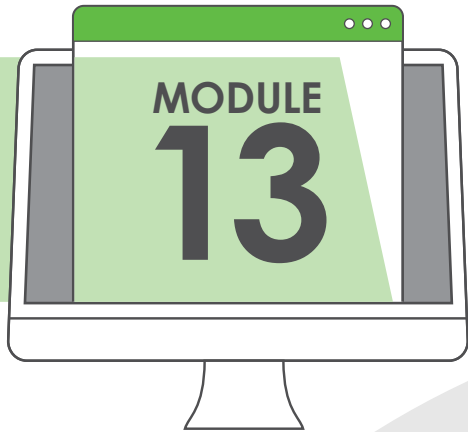


This course module covers essential topics pertaining to modern-day service API design and management, including API roles, the API lifecycle and fundamental API patterns and coupling types. Also covered are established and alternative data serialization technologies, API gateways and a comprehensive tutorial of REST and related patterns.

The following primary topics are covered:

- Introduction to APIs and API Roles
- Public, Private and Partner API Models
- The Service API Lifecycle
- Decoupled Contracts and Service Façades
- Contract Centralization and Service Agents
- Positive and Negative Service Coupling Types
- Text-based Data Serialization Formats (XML, JSON)
- Binary Data Serialization Protocols (Apache Avro, Thrift, Google Protocol Buffer)
- REST APIs and REST Properties
- Endpoint Redirection, Entity Linking and Idempotent Capabilities
- Lightweight Endpoints and Uniform Contracts
- API Gateways and Service Brokers
- Data Model and Format Transformation, Protocol Bridging
- Intermediate Routing, Brokered Authentication and Multi-Channel Endpoints

Advanced Service API Design & Management

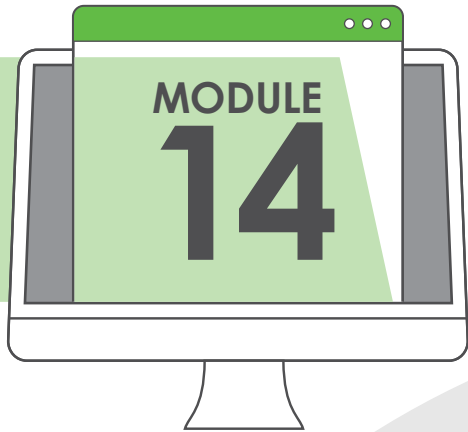


This course module delves into established and alternative service API protocols to explore how each functions and to provide a comparison that helps determine when one service protocol may be more suitable than others. A series of service API design and management patterns are covered, along with an exploration of the service mesh model and how it compares with API gateways.

The following primary topics are covered:

- Understanding gRPC for (.proto and XML)
- Unary RPC, Client/Server Streaming RCP and Bidirectional RPC
- Understanding GraphQL, Data Requests and Fetches, Caching
- Understanding Falcor, Falcor vs. GraphQL, Request Batching
- Understanding Thrift (Processor, Protocol and Transport Layers)
- Concurrent Contracts, Contract Denormalization and Canonical Schema
- Schema Centralization, Policy Centralization and Canonical Protocol
- Dual Protocols and Legacy Wrappers
- Messaging Metadata and State Messaging
- Service Mesh Model, Library, Proxy and Sidecar
- Service Mesh vs. API Gateway
- Service API Management
- Decomposed Capability, Distributed Capability and Proxy Capability
- Validation Abstraction and Partial Validation

Microservice Architecture & Containerization Lab



As a continuation of course modules 12 and 13, this hands-on workshop allows attendees to apply the technologies, concepts, techniques and patterns previously covered in order to complete a set of lab exercises.

Participants are required to study case study backgrounds and carry out a series of exercises to solve a number of inter-related problems, with the ultimate goal of applying technologies and design patterns to design their own service API solutions.

The following exercises are provided:

- Reading Exercise 14.1: Case Study Background: Handy
- Lab Exercise 14.2: Define Lines of Communication
- Lab Exercise 14.3: Define Service API View
- Lab Exercise 14.4: Define Communication Support in Processing Logic
- Lab Exercise 14.5: Identify Coupling Types
- Lab Exercise 14.6: Identify Hidden Coupling Issues
- Lab Exercise 14.7: Solve Coupling Problems
- Reading Exercise 14.8: Order Processing Service APIs
- Lab Exercise 14.9: Optimize Service API for Performance
- Lab Exercise 14.10: Deal Service Extension
- Lab Exercise 14.11: Design Product Service Lab Exercise 14.12: Enhance Product Service Architecture



COMPLETE & PARTIAL EXAMS

To attain the Service API Specialist Certification requires a passing grade on the complete Service API Specialist Certification Exam or a passing grade on the partial Service API Specialist Certification Exam and the attainment of the Microservice Professional Certification, as explained below.

Complete Exam Details

The complete Service API Specialist certification exam covers topics from all 5 modules in the Service API Specialist certification track. Purchase this exam if you've taken the Service API Design & Management course and would like to pursue certification as a Service API Specialist, or if you would like to retake this exam to improve your grade.

Because this complete exam encompasses course modules from two certifications, upon passing the exam you will receive official digital certificates and digital certification badges for both the Microservice Professional and Service API Specialist accreditations. If you've already achieved the Microservice Professional certification, then you do not need to take this complete exam. Instead, you can take the partial Service API Specialist exam.



Partial Exam Details

The partial Service API Specialist certification exam covers topics from Modules 12, 13 and 14 in the Service API Specialist certification track.

Purchase this exam if:

- you've taken the complete or partial Service API Design & Management course and
- you would like to pursue certification as a Service API Specialist and
- you've already achieved the Microservice Professional certification.

If you are already a certified Microservice Professional and you pass this exam, you will receive an official digital certificate and a digital certification badge for the Service API Specialist accreditation.



MORE INFO

Contact us at: info@arcitura.com

ABOUT THE ARCITURA CURRICULUM



The Arcitura headquarters in Vancouver, Canada from 2012 until the COVID-19 pandemic. Since then, Arcitura staff collaborate remotely, geographically distributed over three continents.

Courses and Modules

➤ Arcitura's curriculum is comprised of over 50 courses and over 120 course modules.

➤ Every Arcitura course is comprised of multiple course modules.

➤ Each course corresponds to a professional certification.



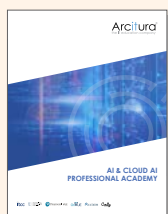
For each course, a separate Official Guide PDF is available for download on the course description page.

arcitura.com/courses

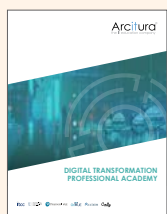
arcitura.com/tracks

Programs, Tracks and Certifications

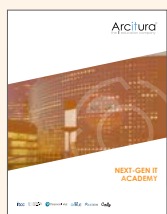
Arcitura's library of courses and modules is organized into the following programs:



AI & Cloud AI
Professional
Academy



Digital
Transformation
Professional
Academy



Next-Gen IT
Academy



Next-Gen
Data Science
Academy

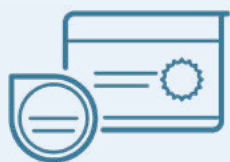


Cloud
Computing
School



Service
Technology
School

Within each program, modules are organized into tracks. Every course has a track that indicates the order in which course modules should be completed. Each track also corresponds to a professional certification. There are over 50 professional certifications, each of which can be attained by passing a certification exam.



Digital Certificates and Badges

➤ Upon fulfilling the completion requirements for a course via eLearning or an instructor-led workshop, you receive a digital Certificate of Completion and a digital Training Badge from Acclaim/Credly.

➤ Upon attaining a certification, you also receive an official digital Accreditation Certificate and a digital Certification Badge from Acclaim/Credly.

arcitura.com/certifications

COURSES		Essential AI	Predictive AI	Generative AI	Agentic AI	Predictive AI Engineering	Generative AI Engineering	AI Architecture & Design	AI Professional Consulting	AI Governance & Ethics	Cloud AI Technology & Automation	Cloud AI Architecture & Design
CERTIFICATIONS		AI Professional	Predictive AI Specialist	Generative AI Specialist	Agentic AI Specialist	Predictive AI Engineer	Generative AI Engineer	AI Architect	AI Consultant	AI Governance & Ethics Specialist	Cloud AI Professional*	Cloud AI Architect*
MODULE 01	Fundamental Predictive AI	●	●			●		●	●	●	●	●
MODULE 02	Advanced Predictive AI		●			●						
MODULE 03	Predictive AI Lab		●									
MODULE 04	Fundamental Generative AI	●		●			●	●	●	●	●	●
MODULE 05	Advanced Generative AI			●			●					
MODULE 06	Generative AI Lab			●								
MODULE 07	Fundamental Predictive AI Engineering					●			●			
MODULE 08	Advanced Predictive AI Engineering					●						
MODULE 09	Predictive AI Engineering Lab					●						
MODULE 10	Fundamental Generative AI Engineering						●		●			
MODULE 11	Advanced Generative AI Engineering						●					
MODULE 12	Generative AI Engineering Lab						●					
MODULE 13	Fundamental AI Architecture & Design							●	●			
MODULE 14	Advanced AI Architecture & Design							●				
MODULE 15	AI Architecture & Design Lab							●				
MODULE 16	Fundamental Agentic AI				●							
MODULE 17	Advanced Agentic AI				●							
MODULE 18	Agentic AI Lab				●							
MODULE 19	Fundamental AI Governance & Ethics									●		
MODULE 20	Advanced AI Governance & Ethics									●		
MODULE 21	AI Governance & Ethics Lab									●		
MODULE 22	Cloud AI Technology & Automation										●	●
MODULE 23	Cloud AI Architecture & Design											●
MODULE 24	Cloud AI Architecture & Design Lab											●

* The prerequisite for Cloud AI certifications is the attainment of the Cloud Professional certification. See the Arcitura Cloud Computing School curriculum for more information.

Data Science, Big Data & Machine Learning courses are part of the Arcitura Next-Gen Data Science Academy curriculum. Intelligent Automation with AI and RPA courses are part of the Arcitura Digital Transformation Professional Academy curriculum.

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

COURSES		Digital Transformation	Digital Transformation: Fundamental Technology	Digital Transformation: Advanced Technology & Architecture	Digital Transformation: Fundamental Data Science	Digital Transformation: Advanced Data Science	Digital Transformation: Fundamental Security	Digital Transformation: Advanced Security	Digital Transformation: Fundamental Intelligent Automation	Digital Transformation: Advanced Intelligent Automation
CERTIFICATIONS		Digital Transformation Specialist	Digital Transformation Technology Professional	Digital Transformation Technology Architect	Digital Transformation Data Science Professional	Digital Transformation Data Scientist	Digital Transformation Security Professional	Digital Transformation Security Specialist	Digital Transformation Intelligent Automation Professional	Digital Transformation Intelligent Automation Specialist
MODULE 01	Fundamental Digital Transformation	●	●	●	●	●	●	●	●	●
MODULE 02	Digital Transformation in Practice	●	●	●	●	●	●	●	●	●
MODULE 03	Fundamental Cloud Computing		●	●						
MODULE 04	Fundamental Blockchain		● or ●	● or ●			●	●		
MODULE 05	Fundamental IoT									
MODULE 06	Cloud Architecture			●						
MODULE 07	Blockchain Architecture			● or ●				●		
MODULE 08	IoT Architecture									
MODULE 09	Fundamental Big Data Analysis & Analytics				●	●				
MODULE 10.A	Fundamental Machine Learning				● or ●	● or ●				
MODULE 10.B	Fundamental Predictive AI								●	●
MODULE 11	Fundamental Generative AI				●	●				
MODULE 12	Advanced Big Data Analysis & Analytics					●				
MODULE 13.A	Advanced Machine Learning					● or ●				
MODULE 13.B	Advanced Predictive AI									
MODULE 14	Advanced Generative AI					●				
MODULE 15	Fundamental Cybersecurity						●	●		
MODULE 16	Advanced Cybersecurity							●		
MODULE 17	Fundamental Agentic AI									●
MODULE 18	Fundamental RPA								●	●
MODULE 19	Advanced RPA & Intelligent Automation									●
MODULE 20	Fundamental AI Architecture		●	●						
MODULE 21	Advanced AI Architecture			●						

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

COURSES		DevOps	Blockchain Architecture	IoT Architecture	Cybersecurity	Robotic Process Automation	Digital Business Technology	Containerization Architecture	Quantum Computing
CERTIFICATIONS		DevOps Specialist	Blockchain Architect	IoT Architect	Cybersecurity Specialist	RPA Specialist	Digital Business Technology Professional	Containerization Architect	Quantum Computing Specialist
DevOps	MODULE 01 Fundamental DevOps	●							
	MODULE 02 DevOps in Practice	●							
	MODULE 03 DevOps Lab	●							
Blockchain	MODULE 01 Fundamental Blockchain		●						
	MODULE 02 Blockchain Technology & Architecture		●						
	MODULE 03 Blockchain Technology & Architecture Lab		●						
Internet of Things	MODULE 01 Fundamental IoT			●					
	MODULE 02 IoT Technology & Architecture			●					
	MODULE 03 IoT Technology & Architecture Lab			●					
Cybersecurity	MODULE 01 Fundamental Cybersecurity				●				
	MODULE 02 Advanced Cybersecurity				●				
	MODULE 03 Cybersecurity Lab				●				
Robotic Process Automation	MODULE 01 Fundamental RPA					●			
	MODULE 02 Advanced RPA & Intelligent Automation					●			
	MODULE 03 RPA Lab					●			
Digital Business Technology	MODULE 01 Business Automation Technology Overview						●		
	MODULE 02 Data Science Technology Overview						●		
	MODULE 03 Digital & Security Technology Overview						●		
Containerization	MODULE 01 Fundamental Containerization							●	
	MODULE 02 Containerization Technology & Architecture							●	
	MODULE 03 Containerization Technology & Architecture Lab							●	
Quantum Computing	MODULE 01 Fundamental Quantum Computing								●
	MODULE 02 Advanced Quantum Computing								●
	MODULE 03 Quantum Computing Lab								●

COURSES		Essential Big Data & Data Science	Big Data Analytics & Fundamental Data Science	Big Data Analysis & Advanced Data Science	Big Data Professional Consulting	Data Science Professional Consulting	Machine Learning	Big Data Engineering	Big Data Architecture	Data Science Governance
CERTIFICATIONS		Big Data Professional	Big Data Science Professional	Big Data Scientist	Big Data Consultant	Data Science Consultant	Machine Learning Specialist	Big Data Engineer	Big Data Architect	Data Science Governance Specialist
MODULE 01	Fundamental Big Data Science & Analytics	●	●	●	●	●		●	●	●
MODULE 02	Big Data Analysis & Technology Concepts	●	●	●	●	●		●	●	●
MODULE 03	Big Data Analysis & Technology Lab		●		●	●				
MODULE 04	Big Data Analysis & Science			●	●					
MODULE 05	Advanced Big Data Analysis & Science			●						
MODULE 06	Big Data Analysis & Science Lab			●						
MODULE 07	Fundamental Machine Learning					●	●			
MODULE 08	Advanced Machine Learning						●			
MODULE 09	Machine Learning Lab						●			
MODULE 10	Fundamental Predictive & Generative AI					●				
MODULE 11	Fundamental Big Data Engineering				●			●		
MODULE 12	Advanced Big Data Engineering							●		
MODULE 13	Big Data Engineering Lab							●		
MODULE 14	Fundamental Big Data Architecture								●	
MODULE 15	Advanced Big Data Architecture								●	
MODULE 16	Big Data Architecture Lab								●	
MODULE 17	Fundamental Data Science Governance									●
MODULE 18	Advanced Data Science Governance									●
MODULE 19	Data Science Governance Lab									●

Artificial Intelligence (AI) courses are part of the Arcitura AI & Cloud AI Professional Academy curriculum. Intelligent Automation with AI and RPA courses are part of the Arcitura Digital Transformation Professional Academy curriculum.

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

COURSES		Essential Cloud Computing	Cloud Computing Concepts & Technology	Cloud Computing Professional Consulting	Cloud Architecture	Cloud Security	Cloud Governance	Cloud Storage	Cloud Virtualization	Cloud AI Technology & Automation	Cloud AI Architecture & Design
CERTIFICATIONS		Cloud Professional	Cloud Technology Professional	Cloud Computing Consultant	Cloud Architect	Cloud Security Specialist	Cloud Governance Specialist	Cloud Storage Specialist	Cloud Virtualization Specialist	Cloud AI Professional*	Cloud AI Architect*
MODULE 01	Fundamental Cloud Computing	●	●	●	●	●	●	●	●	This track has the following additional modules from the AI & Cloud AI Professional Academy curriculum: 1, 4, 19	This track has the following additional modules from the AI & Cloud AI Professional Academy curriculum: 1, 4, 19, 20, 21
MODULE 02	Cloud Technology Concepts	●	●	●	●	●	●	●	●		
MODULE 03	Cloud Technology Lab		●	●							
MODULE 04	Fundamental Cloud Architecture			●	●						
MODULE 05	Advanced Cloud Architecture				●						
MODULE 06	Cloud Architecture Lab				●						
MODULE 07	Fundamental Cloud Security			●		●					
MODULE 08	Advanced Cloud Security					●					
MODULE 09	Cloud Security Lab					●					
MODULE 10	Fundamental Cloud Governance						●				
MODULE 11	Advanced Cloud Governance						●				
MODULE 12	Cloud Governance Lab						●				
MODULE 13	Fundamental Cloud Storage							●			
MODULE 14	Advanced Cloud Storage							●			
MODULE 15	Cloud Storage Lab							●			
MODULE 16	Fundamental Cloud Virtualization								●		
MODULE 17	Advanced Cloud Virtualization								●		
MODULE 18	Cloud Virtualization Lab								●		

* Cloud AI certifications are part of the Arcitura AI & Cloud AI Professional Academy curriculum. The prerequisite for these certifications is the attainment of the Cloud Professional certification from the Arcitura Cloud Computing School curriculum.

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

COURSES		Fundamental Microservices & Service Technology	Fundamental SOA Design with Services & Microservices	SOA Analysis & Modeling with Services & Microservices	SOA Design & Architecture with Services & Microservices	Microservice Design & Architecture	Microservice Professional Consulting	Service API Design & Management	Service Governance & Project Delivery	Security for Microservices & SOA
CERTIFICATIONS		Microservice Professional	SOA Professional	SOA Analyst	SOA Architect	Microservice Architect	Microservice Consultant	Service API Specialist	Service Governance Specialist	Service Security Specialist
MODULE 01	Fundamental SOA, Services & Microservices	●	●	●	●	●	●	●	●	●
MODULE 02	Microservice Technology Concepts	●			●	●	●	●		●
MODULE 03	Design & Architecture with SOA, Services & Microservices		●	●	●				●	
MODULE 04	Fundamental SOA Analysis & Modeling with Services & Microservices			●						
MODULE 05	Advanced SOA Analysis & Modeling with Services & Microservices			●						
MODULE 06	SOA Analysis & Modeling Lab with Services & Microservices			●						
MODULE 07	Advanced SOA Design & Architecture with Services & Microservices				●					
MODULE 08	SOA Design & Architecture Lab with Services & Microservices				●					
MODULE 09	Fundamental Microservice Architecture & Containerization					●	●			
MODULE 10	Advanced Microservice Architecture & Containerization					●				
MODULE 11	Microservice Architecture & Containerization Lab					●				
MODULE 12	Fundamental Service API Design & Management						●	●		
MODULE 13	Advanced Service API Design & Management							●		
MODULE 14	Service API Design & Management Lab							●		
MODULE 15	Fundamental Service Governance & Project Delivery								●	
MODULE 16	Advanced Service Governance & Project Delivery								●	
MODULE 17	Service Governance & Project Delivery Lab								●	
MODULE 18	Fundamental Security for Services, Microservices & SOA						●			●
MODULE 19	Advanced Security for Services, Microservices & SOA									●
MODULE 20	Security Lab for Services, Microservices & SOA									●

Attaining a certification that encompasses all of the course modules also associated with another certification results in the other certification also being automatically awarded.

THE ARCITURA DIFFERENCE

Regardless of whether you are an individual looking to boost your career or an organization looking to up-skill a team, Arcitura courses and certifications provide a sound investment.

- Both courses and accreditations are vendor-neutral, which means they empower you with skills and credentials that you can take to wherever you need to go.
- Arcitura is dedicated to excellence in content quality, which is why courses and exams undergo a common development process and are authored by a dedicated team in collaboration with subject matter experts.

arcitura.com/about

What You Learn from Arcitura Courses



Learn from an Extensive Curriculum

Arcitura provides one of the largest and most comprehensive vendor-neutral IT education programs in the world.



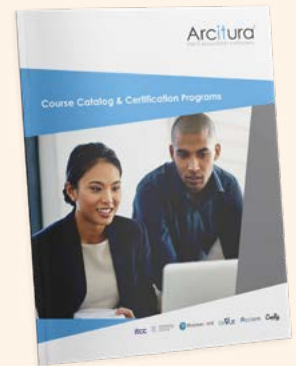
Learn about the Latest in IT

Arcitura courses and certifications cover contemporary topics from an IT industry perspective.



Learn about Real World IT

When you take an Arcitura course you learn about a field of practice as it exists in the real world, not specific to any vendor.



What's in an Arcitura Course



Comprehensive Coverage

Each course provides a comprehensive curriculum with 2-8 modules and 20-80 hours of training.



More Than Just Video Lessons

In addition to standard video lessons, courses include full-color workbooks and reference posters for all lessons.



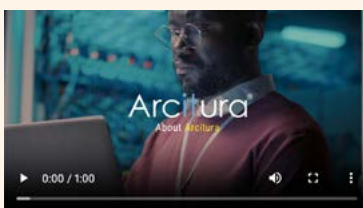
Interactive & Graded Challenges

Courses also include interactive and graded exercises, interactive and graded self-tests and other supplements.

youtube.com/@arcitura

Learn About Arcitura: **Take the Video Tour**

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