



# MATRIXX Professional Services

## Professional Certification

5.2.8 4th January 2023



# Contents

## Contents

Contents .....	1
Professional Certification Overview .....	2
Motivation .....	2
Approach .....	2
Knowledge Examinations .....	2
Skill Examinations .....	3
Certification Levels .....	3
Examination Details .....	4
Pricing Specialist .....	4
Pricing Sage .....	4
Operations Specialist .....	4
Operations Specialist - Kubernetes .....	5
Operations Sage .....	5
Integration Specialist .....	5
Integration Sage .....	6
Installation Specialist .....	6
Installation Specialist - Kubernetes .....	6
Solution Architect .....	6
Examination Rules .....	7
Examination Fees .....	7



# Professional Certification Overview

## Motivation

With Professional Certification, everyone wins. For individuals, it shows capability, focus and a desire to keep up with the latest technology. It's a win for employing organizations as they can objectively assess if a candidate has the necessary knowledge to fulfill a role in a project that is vitally important. And, MATRIXX wins when ensuring that people understand our technology and can use it successfully.

## Approach

There are two aspects to testing a person to determine if they are equipped to do a particular job – knowledge and skill. At a junior level, you should have the necessary knowledge to carry out the various tasks assigned and, combined with mentoring from senior members of your team, you can be confident of success. At a more senior level, staff should have not only knowledge but also the ability to use that knowledge in varied environments – this is known as skill. The MATRIXX Professional Certification Program is structured to test both, knowledge and skill, through online, web-based testing and hands-on, lab-based examinations.

## Knowledge Examinations

MATRIXX uses online testing to ensure that a candidate has the necessary knowledge to attain the certification. Examinations are built from a variety of question types:

- Multiple-Choice, Single Selection
- Multiple-Choice, Multiple Selection
- True/False
- Fill in the Missing Word
- Statement Matching

Each Knowledge Examination comprises of 50 questions to be answered in one-hour. The examinations are broken down into similar sections to those found in the associated training course. Each section is further divided into three parts with easy, moderate and difficult questions in equal proportion. The questions presented in any exam are randomly and dynamically drawn from a substantial question bank, evenly spread over each section and part. This approach guarantees fair and balanced assessments for all candidates.

Examinations of this type can be taken at any time in any venue. AI based invigilation is conducted throughout.

Results are given immediately upon completion of the exam and providing no examination rule infractions have been recorded by the AI, the candidate will be issued with the appropriate certificate.

## Skill Examinations

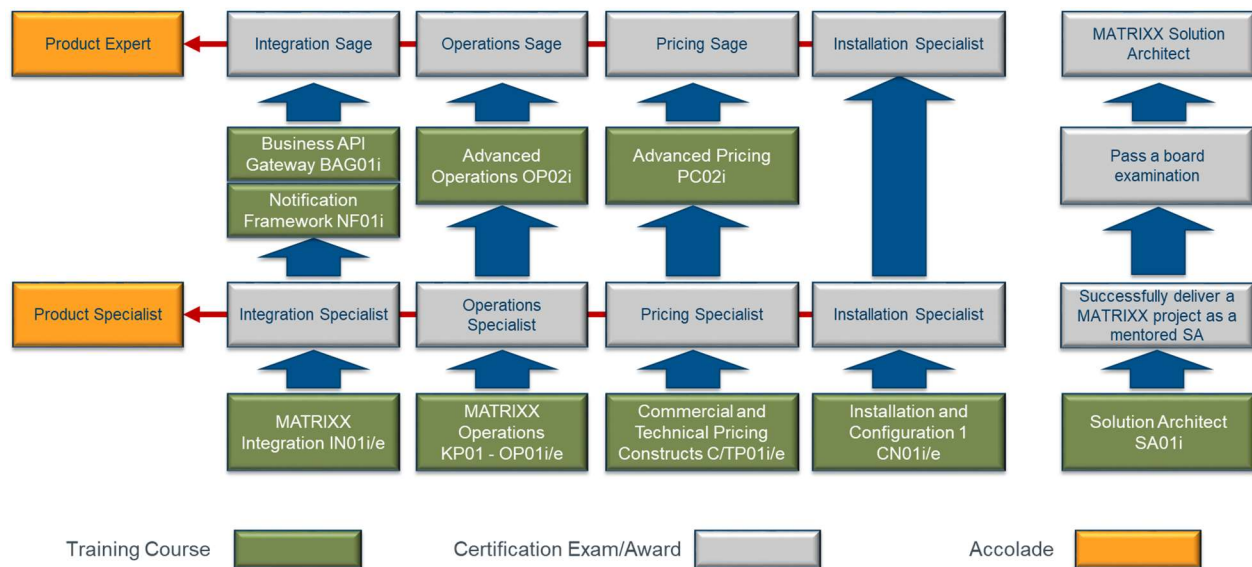
In a skill examination, the candidate is presented with a MATRIXX environment and a number of tasks to complete. Each task will examine the candidate's ability to resolve problems set up within the environment or create solutions to requirements provided by the assessment. The candidate's answers will be assessed by a panel of MATRIXX senior consultants and architects. The result of the examination will be published within two weeks of completion. AI invigilation is also conducted throughout the exam.

## Certification Levels

For the mainstream, MATRIXX Certification awards are granted at two levels – Specialist and Sage\*. The relevant courses, in green, and examination points, in grey, are shown in the diagram below. As may be seen below, all training and examinations threads must be followed in order to reach the Product Expert accolade.

Solution architects who meet the rigorous prerequisites follow a single one-day course and pass an examination. They are then mentored to deliver a successful MATRIXX project and must present their results to a board from MATRIXX.

\* The term "Sage" is often associated with people of learning, ability and wisdom.





# Examination Details

## Pricing Specialist

The Pricing Specialist examination is knowledge-based.

The ten sections in the examination are:

- Pricing Concepts including price structure, Price Components, Rate Tables, Decision Tables and Catalog Items
- Balances and Meters
- Conditional Rating
- Thresholds and Credit Limits
- Products, Services and Beats
- Normalizers
- CCF
- Groups
- Bundles
- Pro-ration, First Use, On-Demand

## Pricing Sage

This examination is skill-based and requires a candidate to complete a series of price plans. Typical questions in this assessment will ask candidates to create two moderately complex price plans from a general requirements specification. One price plan will require extensions to be used by creating new normalizer templates.

The examination lasts three hours.

## Operations Specialist

To achieve the status of Operations Specialist, candidates must pass a one-hour knowledge-based exam.

The sections found in this examination are:

- MATRIXX Digital Commerce Platform Engine Architecture
- Engine Management
- Traffic Routing Agent and Network Enabler
- Proxy, My MATRIXX and Catalog Builder
- Logs
- Monitoring
- Maintenance
- Transaction Logs, MEFs and Streaming
- Export
- Event Repository
- Notifications
- High Availability
- SBA Gateway



## Operations Specialist - Kubernetes

To achieve the status of MATRIXX Operations Under Kubernetes Specialist, candidates must pass a one-hour knowledge-based exam.

The sections found in this examination are:

- MATRIXX Digital Commerce Platform Engine Architecture
- Engine Management
- Traffic Routing Agent and Network Enabler
- SBA Gateway
- Proxy, RS Gateway and My MATRIXX
- Logs
- Monitoring
- Maintenance
- Event Files and Streaming
- Export
- Event Repository
- Notifications
- High Availability

## Operations Sage

This is a three-hour skill-based examination where candidates are required to carry out tasks regularly conducted real implementations. Also included in the exam are error scenarios where candidates must resolve operational issues.

## Integration Specialist

Knowledge-based, one-hour, 50 questions

The sections found in this examination are:

- MATRIXX Digital Commerce Platform Architecture
- Integration Points
- Object Extension
- Diameter Gateway Integration
- Event Extension
- Selective Update
- MATRIXX Call Control Framework
- Service Types
- MEFs, Streaming and Aggregation
- SUBMAN
- Offer Extension
- Additional Integration Points



## Integration Sage

This is a three-hour, skill-based examination where candidates are expected to conduct MATRIXX extensions and integration activities. Specifically, candidates are required to extend the Diameter Gateway to support new AVP inputs, the SBA 5G Gateway, add new fields to the MATRIXX Event Files, configure subscriber objects to support additional fields and write XML payload files to create extended objects.

## Installation Specialist

Knowledge-based, one-hour, 50 questions.

The sections found in this examination are:

- Installation Models
- Installation Planning
- Single Blade installation
- Multi-Blade Installation
- TRA Installation and Configuration
- Notification Framework Installation
- Proxy Blade Installation
- Upgrading MATRIXX

## Installation Specialist - Kubernetes

Knowledge-based, one-hour, 50 questions.

The sections found in this examination are:

- Installation Under K8s
- Setting Up Repositories
- Basic Blade installation
- Project Specific Configuration
- Helm Sub-Charts for MATRIXX
- Dual Engine Installation
- Install SBA Gateway
- Loading Pricing
- Upgrading MATRIXX

## Solution Architect

To achieve MATRIXX recognition as a Solution Architect a candidate must be responsible for a solution including the MATRIXX Platform. MATRIXX will assign an existing SA for the duration of the project to act as a mentor however the overall solution design will be the sole responsibility of the candidate. On successful Go-Live, the candidate will be invited by MATRIXX to attend a review board where they will be questioned on the design decisions they made and the reasoning behind them. If the board agrees that the candidate has used the MATRIXX Technology to the best effect and understands the capabilities of the platform then they will be awarded the accolade of MATRIXX Certified Solution Architect.



## Examination Rules

Attendance on the associated MATRIXX training course is not required in order to take an exam.

All knowledge-based examinations are “closed book,” meaning that no printed or electronic materials may be used in the assessment. All skill examinations are “open book,” meaning that candidates may use any form of published reference material including MATRIXX supplied documentation, guides and online help.

Candidates may not confer with anyone either inside or outside the exam venue.

On passing an examination MATRIXX will add the candidate’s name to a list of Certified Professionals and forward a certificate by email.

Any candidate found to not obey the rules of the examination will not be granted the certification award irrespective of the outcome of their exam.

If a candidate fails an exam, a re-sit may not be taken within two weeks.

## Examination Fees

All knowledge-based examinations attract a fee of USD 50. Skill-based exams cost USD 500.

It is the candidate’s responsibility for travel and accommodation costs at the exam site. The fee is purely for the cost of running and administering the examination.