



M.App Enterprise 2021 Online Training

Hexagon's Geospatial Division

9 April 2021

Scope

This training is a technical introduction to **M.App Enterprise 2021**.

Attendees will learn how to develop Smart M.App applications by using out-of-the-box tools or custom code. They will also gain insight into the architecture, installation, and configuration processes.

The training is aimed for GeoICT (Geospatial Information and Communication Technology) developers, Project Engineers, and Technical Presales consultants.

Agenda

General rules:

- Training starts at 9:00 CEST (UTC+2) and typically ends at 17:00 CEST (UTC+2).
- The goal is to have a main session of 1.5 hours at the beginning of the day and a session for wrap-up, Q&A, and discussions at the end of each day.
- Between these two sessions the attendees work on exercises in order to put theory into practice. The trainer is available for support / questions / help during certain timeframes.

| Time | Day 1 | Day 2 | Day 3 | Day 4 |
|-----------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| 09:00 – 10:30 CEST | Presentations [all] | Presentations [all] | Presentations [all] | Presentations [all] |
| | Individual support sessions on demand |
| 16:30 – 17:00 CEST | Wrap-Up [all] | | | |

Topics may be subject to change or rearrangement.

| Day 1 |
|--|
| M.App Enterprise Overview M.App Enterprise concepts and design patterns Installation process walkthrough M.App Enterprise Studio <ul style="list-style-type: none"> • Create a new tenant (configuration) • Manage security • Vector and Raster layer definitions • Services • Styling |



Day 2

Browser application configuration

- Map panel
- Custom panel

Feature Analyzer

- Different data sources
- Theme customization
- Charts
- Extensions: HTML and JS in Functional Attributes
- Theming

Geoprocessing integration

- Architecture description
- Analytics Panel

LuciadFusion data and services

- LuciadFusion Studio
- LuciadFusion services in M.App Enterprise Studio
- 3D data in M.App Enterprise Studio

LuciadFusion content in Browser-based applications

- Feature Analyzer
- 3D map panel

Day 3

Rich Client application configuration

- Queries
- Introduction to workflows
- Advanced Workflow use cases

Day 4

Mobile application

- Architecture description
- Shell configuration

Prerequisites

- Working knowledge in enterprise environments, basic understanding of system configuration and deployment
- M.App Configuration and Workflow Manager (preferred but not mandatory)
- Database and SQL knowledge
- Basic Development skills for M.App Reader Framework, such as JS, HTML, CSS 3

The training will be conducted using a public facing server. All attendees must use their own laptops with the following specifications.

Hardware Requirements

| Hardware | Recommended |
|---------------------|---|
| CPU | 2 GHz minimum, Hyper Threading or multi-core recommended |
| Memory / RAM | 2 GB minimum |
| Display properties | 24-bit color depth |
| Screen resolution | 1024 x 768 |
| Peripherals | Mouse or pen for input. For Tablets: Digitizer is recommended |
| Networking hardware | Simple TCP/IP, Network Card |

Disk Space Requirements

M.App Enterprise Client needs at least 50 MB available disk space. Additional disk space may be required. M.App Enterprise Clients will create cache files if needed.

Software Requirements

| Operating system for Java-based client (for example) |
|--|
| Windows® 7 SP1 |
| Windows 8 |
| Windows 8.1 |
| Windows 10 |



About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

[Hexagon's Geospatial division](#) creates solutions that deliver a 5D smart digital reality with insight into what was, what is, what could be, what should be, and ultimately, what will be.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 4.6bn USD. Learn more at [hexagon.com](https://www.hexagon.com) and follow us [@HexagonAB](https://twitter.com/HexagonAB).

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