

# Edge Analytics Training for MindSphere Product Sheet



During this three-day training the architecture and functionalities of CMS X-Tools will be covered in detail, and you will learn how to connect CMS X-Tools clients and servers to multiple content management systems (CMS) and other devices and protocols for acquiring data. Training will cover the configuration of different devices as data sources and the processing of data with analytics algorithms for both CMS X-Tools and MindConnect Edge Analytics. Furthermore, you will learn how to store data locally or how to integrate this preprocessed data into MindSphere. MindConnect Edge Analytics Engine enables MindConnect Nano, a connectivity element for MindSphere, to preprocess the data for MindConnect Edge Analytics. As part of this hands-on training, you will configure data sources, develop simple algorithms, store data locally, and analyze data prior to sending it to MindSphere.

## Training Specifics

Content	<ul style="list-style-type: none"> <li>• Cloud-based SaaS application configurations</li> <li>• CMS X-Tools             <ul style="list-style-type: none"> <li>- Functionalities and architecture</li> <li>- Connectivity possibilities</li> <li>- (Local) data storage</li> <li>- Data analytics and visualization</li> </ul> </li> <li>• MindConnect Edge Analytics             <ul style="list-style-type: none"> <li>- Architecture and functionalities</li> <li>- Data storage (in MindSphere)</li> <li>- MindConnect Bridge</li> <li>- MindConnect Edge Analytics Engine</li> </ul> </li> </ul>
Duration	Three days
Prerequisites	<ul style="list-style-type: none"> <li>• Basic programming skills</li> <li>• Laptop with USB port with ability to connect to the internet via Wifi or cable and Windows 7, Windows 10, or virtual machine</li> </ul>

Training methods	<ul style="list-style-type: none"> <li>• Interactive lectures</li> <li>• Hands-on training</li> </ul>
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Description	
Public Training	Open classroom training that is booked per person with content predefined by Siemens, offered at a location designated by Siemens.
Onsite Training	Training that is booked per training with content predefined by Siemens, delivered at a specific customer's site.
Definitions	Capitalized terms used herein shall have the definition ascribed to them in this Product Sheet or in the MindSphere Agreement.

Public Training	
Location	Location provided by Siemens.
Included in price	Training is priced per person and includes training, training material, and lunch for non-Siemens (external) participants. Participants are responsible for their own travel arrangements and travel expenses.
Availability	The schedule for upcoming trainings is provided online. Trainings are available on a first-come, first-served basis.
Booking and confirmation	Once a training is booked, availability is checked and a confirmation email with detailed information will be sent.

Onsite Training	
Location	Location provided by customer and subject to agreement by Siemens in Siemens' sole discretion. Location, including specific address, must be agreed to by the parties at least two weeks prior to training start date.
Number of participants	Maximum of ten participants.
Included in price	Training is priced as a package and includes training and training material. Participants are responsible for their own travel arrangements and travel expenses.
To be provided by customer	<ul style="list-style-type: none"> <li>• Organization of training room and catering</li> <li>• Shipping and usage of training racks</li> </ul>
Availability	Training availability is based on demand and is subject to availability of trainer(s).
Booking and confirmation	Training dates confirmed after order intake.

Support	
Online support	For questions and support regarding classroom, public, and online training programs, please contact: <a href="mailto:training@mindsphere.io">training@mindsphere.io</a> .