

MindConnect IoT Extension Training Product Sheet



This training provides insights into using various features of MindConnect IoT Extension and different protocols that can be used to achieve bi-directional communication with MindSphere.

In this training, you will learn how to use MindConnect IoT Extension to connect your assets to MindSphere, acquire a better understanding of compatible elements and supported protocols. You will also learn the onboarding process for a new agent and will put that knowledge into practice in a step-by-step process by connecting the pre-defined agent to MindSphere. Another exercise will give you a deep understanding of how to connect any asset using HTTPS and/or MQTT protocol.

| Training Specifics | |
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| Content | <ul style="list-style-type: none"> • Introduction • Device management • MindConnect IoT Extension: onboarding and connecting assets • Data transfer to MindSphere • RESTful API • MQTT • SmartREST |
| Prerequisites | <ul style="list-style-type: none"> • Laptop with stable connection to the internet (minimum of 10MBs upload/10MBs download) • Web browser (Chrome recommended) • Headset with microphone (recommended for Virtual Instructor-led Training) |
| Training methods | <ul style="list-style-type: none"> • Interactive lectures • Hands-on exercises |
| Covid-19 provision | <p>Siemens is working hard to meet delivery and performance dates, temporary delays in delivery and service performance cannot be ruled out as a result of the global outbreak of the novel coronavirus (2019-nCoV/SARS-CoV-2). Siemens retains the right to partial delivery/performance of services and shall be entitled to reasonable adjustments of delivery dates and schedules. Siemens shall also be entitled to an equitable adjustment for additional costs (if any) to complete delivery/performance.</p> |

| Instructor-led Training | |
|--------------------------------|--|
| Location | Location provided by Siemens. |
| Number of participants | Maximum of ten participants. |
| Duration | 1x 8-hour session. |
| Included in price | Training is priced per person and includes training, training material, and lunch for non-Siemens (external) participants. |
| Out of scope | Participant's travel expenses and travel arrangements. |
| Availability | The schedule for upcoming trainings is provided online. Trainings are available on a first-come, first-serve basis. |
| Booking confirmation | Once a training is booked and availability is checked, a confirmation email with detailed information will be sent. |

| Virtual Instructor-led Training | |
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| Location | Virtual Instructor-led Training delivered via web browser. |
| Number of participants | Maximum of ten participants. |
| Duration | 1x 6-hour session. |
| Included in price | Training is priced per person and includes training and training material. |
| Availability | The schedule for upcoming trainings is provided online. Trainings are available on a first-come, first-serve basis. |
| Booking confirmation | Once a training is booked and availability is checked, a confirmation email with detailed information will be sent. |

| Packaged Virtual Instructor-led Training | |
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| Location | Virtual Instructor-led Training delivered via web browser. |
| Number of participants | Maximum of ten participants. |
| Duration | 1x 6-hour session. |
| Included in price | Training is priced as a package for up to 10 participants and includes training and training material. |
| Availability | Training availability is based on demand and is subject to availability of trainer(s). |
| Booking confirmation | Training dates are confirmed by Siemens after order intake. |

| Onsite Training | |
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| Location | Location subject to agreement by Siemens at Siemens' sole discretion. Location, including specific address, must be agreed at least two weeks prior to training start date. |
| Number of participants | Maximum of ten participants. |
| Duration | 1x 8-hour session. |

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| Included in price | Training is priced as a package for up to 10 participants and includes training and training material. |
| Out of scope | Training delivered at a specific customer's site doesn't include: <ul style="list-style-type: none"> • Travel time and expenses for trainer(s) • Organization of training room and catering • Shipping and usage of training racks |
| Availability | Training availability is based on demand and is subject to availability of trainer(s). |
| Booking confirmation | Training dates are confirmed by Siemens after order intake. |

Support

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| Online support | For questions and support regarding training programs, please contact your regional training team: https://training.plm.automation.siemens.com/courses/contacts.cfm |
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