Course Outline

Industrial IoT Plugin training	
Code	SC-IIoT-001
Duration	½ day - Self-paced
Target audience	Technicians, Administrators, and IT Professionals
Prerequisites	Genetec's technical certification training (either SC-OTC-001 or, SC-STC-001) Recommended: Genetec's advanced technical certification (SC-ETC-001) CCNA (or equivalent) is recommended. <u>For the online version of this course:</u> REQUIRED: Reliable, stable internet connection, Mic and speaker (Headset preferred), Local administrator access into your own PC.
Objectives	To equip the participant with a deeper understanding of Security Center's *Industrial IoT Plugin*, to achieve integrations with building automation sensors and other Industrial IoT devices: - Understand the needs and use cases for the Industrial IoT Plugin. - Understand the architecture of the Industrial IoT Plugin and how it works. - Understand the system requirements needed to use the Industrial IoT Plugin - Download, install, and deploy the Industrial IoT Plugin. - Enroll and configure Industrial IoT devices. - Monitor devices using the Industrial IoT Plugin. - Add devices & data points to Security Center. - Create device types and entity types. - Monitor changes on data points in real-time. - Receive events, alarms for devices and entities according to the rules configured in Config Tool. - On maps, view the changes on data points in real-time. - In dashboards, view the current state of the data points or over a specific period of time.
Certification	This class does not lead to a certification, but hands-on exercises will be provided with Azure VMs to practice the presented notions.

Topic	Description
Module 1: *Introduction* (½ hour)	• What to expect in this course? • What is the Industrial IoT Plugin? • IoT vs IIoT • Integration overview • TechDocs: The information hub • Demo
Module 2: *Prepare Security Center* (½ hour)	• System requirements • License requirements • Creating a georeferenced map
Module 3: *Deploy the plugin* (½ hour)	• Downloading and installing the plugin • Creating the Plugin role • Scheduling database backups & cleanups • Enabling failover on the plugin role

Module 4:
Configure and organize devices and entities
(1 hour)
	• What are entities, devices and datapoints?
	• Adding the devices & data points to Security Center
	   o Adding BACnet devices to Security Center
	   o Adding data points to BACnet devices
	• Organizing data points into entities
	   o Creating entities
	   o Organizing data points into entities

Module 5: *Configure your devices and data points* (½ hour)	• Indicating state changes on maps using icons • Configuring write actions for a data point • Linking cameras to devices or entities
Module 6: *Creating device types and entity types* (½ hour)	• Creating device types (manually) • Creating device types (from existing devices) • Creating entity types • Exporting & importing templates
Module 7: *Creating rules to trigger actions on devices* (½ hour)	• Creating rules based on data changes • Creating rules based on events and arguments • Creating rules based on Security Center events • Creating rules based at regular intervals
Module 8: *Monitoring* (½ hour)	• Viewing changes on data points in real-time in **Config Tool** • Viewing changes on data points in real-time from the Monitoring task • Viewing changes on data points in real-time from the Maps task
Module 9: *Dashboards* (½ hour)	• Dashboard examples • Adding Time Series widgets to dashboards • Enabling Genetec™ Time Series