

CA UIM: Java SDK Developer 400



PRODUCT RELEASE

CA Unified Infrastructure Management 8

COURSE TYPE, LENGTH & CODE

- Web Based Training (WBT)
- 16 hours
- Course Code: 13NMS40010

PREREQUISITES

- Understanding of CA UIM Administration
- Understanding of UMP and UR
- Knowledge of Java or other programming languages

WHO SHOULD ATTEND

- CA Marketplace
- Application Developer

Course Overview

This course provides an understanding of the CA UIM Software Development Kit, the SDK, to expand your monitoring capability and maximize your investment.

It covers everything from the tools used to develop probes, to how to create an archive package to deploy to the robot.

Prior to taking this course, it is highly recommended that you read the Probe Development Supplement guide to give you the necessary best practices and background information to be successful with this course.

The lab contains three (3) real life scenarios that you can practice in your own environment; one guided and two unguided exercises.

Included are the codes for the lab solutions and two (2) example codes to use as you learn to develop probes.

What You Will Learn

- Review CA UIM architecture and communication model
- How to make probe data displayable in USM using the TNT2 model
- i18n model for localization
- PDS format
- Tools used to develop probes
- Create an alarm and QoS data to create probes that monitor
- Code for probe logging
- Drive a probe from a configuration file
- Subscribe to a message in a queue to forward messages to a third party product
- Expose and invoke callbacks
- Useful callbacks to automate configuring probes
- Prevent updates to a configuration file from being overwritten
- Create an archive package to deploy to the robot

RECOMMENDED NEXT COURSES:

- NA

Course Agenda

Module 1 – Models & Tools <ul style="list-style-type: none">▪ Architecture & Communication▪ TNT2▪ i18n▪ Portable Data Stream (PDS)▪ Dr NimBUS▪ Code Wizard	Module 2 – Probes that Monitor <ul style="list-style-type: none">▪ Create an Alarm▪ QoS▪ Probe Configuration▪ Probe Logging
Module 3 – Gateway Probes & Callbacks <ul style="list-style-type: none">▪ Subscribe▪ Expose Callbacks▪ Invoke Callbacks▪ Useful Callbacks	Module 4 – Putting it all together <ul style="list-style-type: none">▪ Probe Package



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