

# DevTest Solutions: Application Trace Kit Foundations 200



## Course Overview

The *DevTest Solutions: Application Trace Kit Foundations 200* course teaches students the features of the Application Trace Kit (ATK), and how these features are used to configure the DevTest Java agent and broker, which are used by the Application Insight (formerly CA Continuous Application Insight). Course instruction is web-based and self-paced with a demonstration-style learning experience followed by a short test.

### PRODUCT RELEASE

DevTest Solutions 10.x

### COURSE TYPE, LENGTH & CODE

- Web-Based Training (WBT)
- Two (2) Hours
- 88SVV20320

### PREREQUISITES

- Understanding of Java
- DevTest Solutions 10.2: Installation and Configuration; Course Code 88SVV20240
- Application Insight: Java Agent Installation and Configuration 200; Course Code 88CAI20010
- OnDemand DevTest Solutions 10: Foundations 200; Course Code 88ADO20340
- OnDemand CA Service Virtualization 10: Foundations 200; Course Code 88SVV20180
- OnDemand CA Application Test 10: Foundations 200; Course Code 88APP20010

### WHO SHOULD ATTEND

- Application Administrator
- DevTest Solutions Administrator
- Application Developer

## What You Will Learn

- Navigating the Application Trace Kit UI
- Viewing live transactions as they are captured by the agents and broker
- Using CPU profiling to sample the CPU to uncover data the agents are not capturing
- Re-invoking transactions against the live application using captured data
- Viewing transactions in the DevTest database
- Accessing the application JVMs and machines with terminal commands, scripting, and SQL calls
- Accessing and configuring log files
- Creating, building, and deploying custom Java extensions for the agents and broker using the ATK
- Accessing the API documentation for writing extensions (Note: Instruction for writing specific types of extensions, for example, data exclusion, is beyond the scope of this course)

## For Managers

The DevTest Java agents and broker are used to listen to the JVMs of an application under test and capture transaction data for the use in automatically generating baseline test cases, virtual services, data sets, and request and response pair files. To properly generate these artifacts, the correct transaction data must be captured. The ATK is used to explore this data, determine what to capture, and then configure the agents and broker to meet the specifications for proper artifact generation. The ATK provides configurations within the IDE, and a template for writing custom Java extensions.

The configuration process is typically performed by administrator-level personnel during the enterprise deployment and configuration of Application Insight, and requires a knowledge of CA Service Virtualization, CA Application Test, and Java programming to effectively configure data capture to meet the business workflow requirements for artifact automation.

This course provides the instruction needed to navigate and use the ATK during the enterprise configuration process.

**RECOMMENDED  
NEXT COURSES**

- N/A

## Course Agenda

### Module 1: Getting Started with the ATK

- Navigating the ATK UI
- Starting the ATK from the command line
- Starting the ATK without a running broker

### Module 2: Pathfinder Views and Features

- Load live transactions to view, filter, invoke, and make SQL calls for the purpose configuration analysis
- Load saved transaction data to view, filter, invoke, and make SQL calls for the purpose configuration analysis
- Use CPU profiling to sample the CPU for transaction data not captured by the agent
- View the DevTest database and execute SQL calls

### Module 3: Manage Agent Views and Features

- Access the details and settings views for the agents
- View and manage Java classes and methods for capture
- View the threads for analysis and data capture
- Invoke scripts on the machine hosting the agent
- Invoke terminal commands on the machine hosting the agent
- Manage files on the local machine, and the remote machine hosting the agent
- View and configure agent logs
- Walk through the process of creating an agent or broker extension
- Access documentation for the DevTest Java Agent API



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