
Advanced Tools for AIX Performance Analysis

Duración: 4 Días **Código del Curso: AN52G**

Temario:

Develop the skills to use kernel traces, trace based utilities, and svmon to measure and analyze CPU, memory, and I/O performance issues on IBM systems running AIX. Reinforce each lecture during extensive hands-on lab exercises and get practical experience applicable to their performance management requirements.

This course provides lectures and hands on labs in a face-to-face classroom setting. The course is also offered in a live virtual classroom environment (ILO - Instructor Led Online) with hands-on labs Advanced Tools for AIX Performance Analysis (ILO) (AX520).

Learning Journeys or Training Paths that reference this course: **IBM Power AIX Power AIX Administrator Power AIX Administrators: Performance Management and Tuning AIX Security, Network Administration, and Performance**

Dirigido a:

The audience for this advanced training include AIX technical support personnel, performance benchmark personnel, and AIX system administrators.

Objetivos:

- Use the trace facility to collect data and create a trace report
 - Use the kernel trace facilities to analyze CPU performance issues
 - Describe causes and impacts of high context switching rates
 - Identify what causes a thread to be blocked and later woken up
 - Explain the relationship between the output of svmon -G, svmon -P, and svmon -S
 - Calculate the amount of memory in use on the system
 - Explain the relationship between svmon, vmstat, and ipcs output
 - Categorize the memory in use on the system by segment type
 - Identify which processes are using the most memory or paging space
 - Describe the characteristics of asynchronous I/O, synchronous I/O, direct I/O, and concurrent I/O
 - Identify if the expected type of I/O is being executed
 - Tune asynchronous I/O
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Prerequisitos:

You are expected to have extensive AIX skills. These skills can be obtained by attending the following courses:

- Power Systems for AIX IV: Performance Management (AN510)
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Contenido:

Day 1

- Welcome
- Unit 1: AIX trace facilities
- Exercise 1: AIX trace facilities
- Unit 2: Advanced memory topics - I
- Exercise 1: AIX trace facilities (Part 3)
- Exercise 2: Advanced memory topics - I

Day 2

- Unit 3: Advanced memory topics - II
- Exercise 3: Advanced memory topics - II
- Unit 4: Advanced CPU topics - I
- Exercise 4: Advanced CPU topics - I
- (Optional) Exercise 4: Advanced CPU topics - I (Part 2)

Day 3

- Unit 5: Advanced CPU topics - II
- Exercise 5: Advanced CPU topics - II
- Unit 6: Advanced I/O topics - I
- Exercise 6: Advanced I/O topics - I (Part 1)
- (Optional) Exercise 5: Advanced CPU topics - II
- (Parts 2 and 3)

Day 4

- Exercise 6: Advanced I/O topics - I (Part 2)
- Unit 7: Advanced I/O topics - II
- Exercise 7: Advanced I/O topics - II
- (Optional) Exercise 7: Advanced I/O topics - II (Part 3)

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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