Overview of Solaris 10 & 11/Cloud OS Technologies. (Professional Edition)
- Syllabus

Overview:

This training course introduces you student to some of the industry wide most commonly used Solaris 10 & 11/Cloud OS Technologies. Also, it includes implementation details and detailed hands on experience sessions for some of the major feature set of Solaris 10 & 11 OS releases as listed below:

Containers (i.e. Zones), Predictive Self Healing, Service Management Framework (i.e. SMF), Dynamic Trace (i.e. DTrace), Zeta File System (i.e. ZFS), Network File System (i.e. NFS).

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Syllabus for this online professional training course:

Chapter 1) Introduction to the Solaris 10 & 11/Cloud OS releases & their major feature set.

➢ Introduction to the Solaris 10 & 11/Cloud OS Technologies

➢   What is the relevance of this tech. topic in the current high tech. industry?

➢   Disclaimers from the Author.

Chapter 2) Complete overview of Solaris OS & its major milestone releases 10 & 11.

➢ Solaris OS and its everlasting footprint in the Unix Enterprise System & Storage industry.

➢   Why Solaris 10 & 11, has been considered as one of the most Advanced OS releases in the current high tech. industry?

➢ Functional overview of some of the great features of Solaris 10 & 11 OS releases:

> ➢ Containers, Predictive Self Healing, Service Management Framework (SMF), Zeta File System(ZFS), Dtrace, NFSv4.x

Chapter 3) Functional overview of Solaris Containers feature and its major benefits.

➢ What this Solaris Containers feature is about?

➢ What is the relevance of this feature in the current high tech. industry?

➢ Some of the major benefits of this Solaris Containers feature.

➢ Hands on experience with Zone (i.e. Container) admin CLI set usage on the System under test

Chapter 4) Functional overview of Solaris Service Management Framework (SMF) feature and its major benefits.

➢ What this Solaris SMF feature is about?

➢ Some of the major benefits of this Solaris SMF feature.

➢ What is the relevance of this feature in the current high tech. industry?

➢ Hands on experience with SMF admin CLI set usage on the System under test

Chapter 5) Functional overview of Solaris Predictive Self Healing feature and its major benefits.

➢ What this Solaris Predictive Self Healing feature is about?

➢ What is the relevance of this feature in the current high tech. industry?

➢ Example scenario: Role of the Solaris OS on a 24 node cluster servers in a Data center.

➢ Some of the major benefits of this Solaris Predictive Self Healing feature.

➢ Hands on experience with the usage of the FMA admin CLI set.

Chapter 6) Functional overview of Solaris DTrace feature and its major benefits.

➢ What this Solaris DTrace feature is about?

   ➢ Introduction to the Solaris DTrace architecture.

➢ Some of the major benefits of this Solaris DTrace feature.

➢ What is the relevance of this feature in the current high tech. industry?

➢ Hands on experience with DTrace diagnosis tool CLI set.

Chapter 7) Functional overview of Solaris ZFS feature and its major benefits.

➢ What this Solaris ZFS feature is about?

➢ What is the relevance of this feature in the current high tech. industry?

➢ How ZFS is being used effectively in the Cloud computing environment?

➢ Summary of the major benefits of this Solaris ZFS feature.

➢ Hands on experience with the usage of ZFS admin CLI set.

Chapter 8) Functional overview of Solaris NFS feature and its major benefits.

➢ What this Solaris NFS feature is about?

➢ What is the relevance of this feature in the current high tech. industry?

➢ Summary of the major benefits of this Solaris NFS feature.

➢ Hands on experience with the usage of NFS admin CLI set on the System under test.

Chapter 9) Solaris 10 & 11: A great tech innovation hub.

➢ Why Solaris 10 & 11 OS releases, should be considered as a great tech innovation hub for doing tech. project(s)?

➢ Computer Science engineering students to do their final year projects.

   ➢ Recommendations.

➢ Computer Science engineering graduates and IT professionals to upgrade their technical skill set in the areas of Unix/Solaris OS features.

➢ What are the values that the engineering students, graduates & IT professionals, can obtain from the hands on experience in this tech. domain?

➢ Recommendations.

Chapter 10) Conclusion.

➢ Conclusion notes.

➢ Gratification notes.

➢ List of recommended reference documents for further studies.

➢ Final Thank you note.