

Oracle

Client

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Background

Oracle Solaris is the state-of-the-art, cutting-edge enterprise OS built for cloud computing. It provides a rich, coherent platform for building and running applications, such as Oracle databases.

A Live DVD/USB media is provided for interested users to try Oracle Solaris without having to deploy it on their systems. You will be working to improve the creation of the live media. Your work in constructing a more user friendly live media will help attract more users to Oracle Solaris.

Working environment:

Students will be expected to work from the Broomfield campus for the majority of the project. Close interaction with the deployment team (including engineers working around the country, and even a few in Prague, Ireland and China) will ensure successful completion of the project. Past field session projects from Sun, recently acquired by Oracle, have a reputation for being challenging yet rewarding. For all projects, strong operating system and interpersonal skills are a MUST.

Project: 'dd-able' Live USB image generation

The Oracle Solaris Live USB image allows new users to boot into Oracle Solaris from a USB stick, trying out the operating system before they decide to deploy it. However, there's a catch - in order to copy the downloaded USB image file to a USB stick, they have to use a script called 'usbcopy'. The usbcopy script only works on Oracle Solaris. For this project, the goal is to create a solution that directly generate a USB image that's a 'dd-able' file, so, users can copy the file into their USB stick from any OS.

Valuable skills:

- Python
- shell scripting
- OS knowledge
- Familiarity with C a plus