



Linux Debug Training



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Presenters: John O'Sullivan and Manas Marawaha

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Document source: <https://github.com/SpecialistLinuxTraining/linux-debug-training/tree/main/Slides>

Presenters Introduction



John O'Sullivan

John O'Sullivan is a software architect with over 30 years of experience, specializing in the development and optimization of Linux-based embedded systems. He has extensive hands-on expertise in hardware-software integration and product development across a wide range of industries.

[Email](#)

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Manas Marawaha

Manas Marawaha is a Principal Engineer with over 13 years of experience in embedded Linux software development. With a strong understanding of Linux internals, kernel programming, and device drivers, he brings extensive hands-on expertise in product development across audio, video, and networking domains.

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Course Outline

Linux Debug Training (Part-1)

Module 1: Linux Operating System Architecture

Module 2: Basic Linux Analysis and Observability Tools

Module 3: Application Debugging

Module 4: Memory Issues in Linux Applications

Linux Debug Training (Part-2)

Module 5: Tracing in Linux

Module 6: Profiling in Linux

Module 7: Linux Kernel Debugging



Course information

- Example code demonstrated in the course is available on the [GitHub repository](#).
- For document source, please refer to this [link](#).
- Most code demonstrations use Ubuntu OS 22.04. You can download and install Ubuntu 22.04 using this [link](#).
- Please review the [instructions](#) for building the course examples before proceeding.
- We value your feedback and suggestions! Please share them via email at specialistlinuxtraining@gmail.com.
- For corrections on the training material, feel free to raise [issues](#) and [pull request](#) in the GitHub repository.