

Real World Cisco IP Multicasting

This three day real world instructor led course is focused on providing information to install, configure and troubleshoot IP Multicasting enabling engineers and operators to profit from field experience



Experts in Networking

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This course looks at solving many of the problems found in the field rather than been exam/certification focused. This is achieved through a combination of practical labs and balanced theory sessions enabling delegates to develop a solid understanding of 'how, what and why' in relation to IP Multicasting configuration and troubleshooting

Course Pre-Requisites

Delegates should meet the following prerequisites:

- Delegates should have a basic knowledge of PCs and be familiar with Windows e.g XP/windows 7
- CCNA knowledge

Course	Course Objectives	Course Content
<p>Real World Cisco IP Multicasting</p> <p><u>Duration:</u> 3 days</p> <p><u>Location</u> Wokingham Client Site</p>	<p>Upon completion of this course delegates should be able to:</p> <ul style="list-style-type: none"> • Understand differences between different multicasting technologies • Understand RP elections • Configure both Dense and Sparse IP Multicasting • Understand ICMPv3 and SSM Multicasting • Understand the Multicasting Routing table • Understand different multicast distribution trees • Troubleshoot IP Multicasting 	<ul style="list-style-type: none"> • Multicasting protocols DVMRP, PIM, IGMP v2 • Manual Rendezvous Points (RPs) configuration • Unicast routing protocols and Reverse Path Forwarding (RPF) • Sparse Mode configuration • Automatic RP elections with Boot Strap Routers (BSR) • IGMP v3 and Source Specific Multicasting (SSM) • Troubleshooting and useful debugs <p>Hands on Labs Include:</p> <ul style="list-style-type: none"> • Foundation switch configuration • Dense mode configuration • Sparse mode with manual Rendezvous Points • Sparse mode with utilising ACL lists • RP using BSR routers • IGMP v3 and SSM • Troubleshooting Multicasting