



Certificate of Course Completion

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## CCNP R&S TSHOOT: Maintaining and Troubleshooting IP Networks

The student has successfully achieved student level credential for completing CCNP R&S TSHOOT: Maintaining and Troubleshooting IP Networks course administered by the undersigned instructor. The student was able to proficiently:

- Monitor, maintain, and troubleshoot a complex network
- Plan and document the most common maintenance functions in complex enterprise networks
- Develop a troubleshooting process to identify and solve problems in complex enterprise networks
- Select tools that best support specific troubleshooting and maintenance processes in large, complex enterprise networks
- Practice maintenance procedures and fault resolution in switched and routed environments
- Troubleshoot IPv4 addressing services
- Troubleshoot IPv6 routing issues
- Troubleshoot network infrastructure services
- Troubleshoot network performance issues on switches and routers
- Troubleshoot network integration issues affecting wireless connectivity, VoIP and video
- Practice maintenance procedures and fault resolution in a secure infrastructure

**Pavel Monakhov**

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Student

**EKO Network Solutions Lab**

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Academy Name

**Russia**

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Location

**May 16, 2018**

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Date

**Alexander Scherbinin**

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Instructor

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Instructor Signature