Application Note

IP Addressing
A Simplified Tutorial

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Companion document

- LANs and VLANs: A Simplified Tutorial

  http://www1.avaya.com/enterprise/whitepapers/vlan-tutorial.pdf

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Introduction

The purpose of this tutorial is to give the newcomer to data networking a basic understanding of IP addressing. The following topics are covered.

- IP addressing fundamentals
- Classful IP addressing
- Subnet masks
- Variable length subnet masks (VLSM)
- Classless inter-domain routing (CIDR)
- Routing and routing protocols

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IP Addressing Fundamentals