

Introduction to GNS3

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Talk to a Teacher

Introduction



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Introduction

1 What is GNS3



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Introduction

- 1 What is GNS3
- 2 How to use GNS3



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Introduction

- 1 What is GNS3
- 2 How to use GNS3
- 3 How to use PING command



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System Requirement

- **Ubuntu 11.04 as the Operating System**



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System Requirement

- **Ubuntu 11.04 as the Operating System**
- **Software:**



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System Requirement

- **Ubuntu 11.04 as the Operating System**
- **Software:**
 - ① **GNS3 v 0.7.4**



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System Requirement

- **Ubuntu 11.04 as the Operating System**
- **Software:**
 - ① **GNS3 v 0.7.4**
 - ② **VPCS**



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Prerequisite

User should have:



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Prerequisite

User should have:

- Basic knowledge of networking



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Prerequisite

User should have:

- Basic knowledge of networking
- Knowledge of terminal commands



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What is GNS3



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What is GNS3

- **Graphical Network Simulator (GNS3)**



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What is GNS3

- **Graphical Network Simulator (GNS3)**
- **It is an Open Source simulator**



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What is GNS3

- **Graphical Network Simulator (GNS3)**
- **It is an Open Source simulator**
- **It can be installed using Synaptic Package Manager**



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- **Virtual PC simulator**



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VPCS

- **Virtual PC simulator**
- **Used in GNS3 as virtual PC**



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Download and Installation

- **Download VPCS file:**



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Download and Installation

- Download VPCS file:
- <http://sourceforge.net/projects/gns-3/files/VPCS/0.21a/vpcs-0.21a.zip/download>



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Run GNS3 as Root



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Run GNS3 as Root

- To connect GNS3 with virtual clouds run GNS3 with Root access



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Summary



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Summary

- **How to add a node on workspace**



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Summary

- How to add a node on workspace
- Configuring VPCS and its ports



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Summary

- **How to add a node on workspace**
- **Configuring VPCS and its ports**
- **Designing a topology**



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Summary

- How to add a node on workspace
- Configuring VPCS and its ports
- Designing a topology
- Using ping command to check the connectivity



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Assignment

- **Create a topology for three machines using a switch**



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Assignment

- Create a topology for three machines using a switch
- Check connectivity using ping command



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About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, write to contact@spoken-tutorial.org



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Acknowledgements

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- More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>



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About the contributor

- This is Amit Shrivastava from IIT Bombay signing off
- Thanks for joining



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