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Titolo	The book of GNS3 : build virtual network labs using Cisco, Juniper, and more / / by Jason C. Neumann
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Disciplina	004.6/8
Soggetti	Computer networks - Computer simulation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Brief Contents ; Contents in Detail ; Foreword; Acknowledgments; Introduction; Who This Book Is For ; What's in This Book ; My Approach ; Book Overview ; Chapter 1: Introducing GNS3; Why Use GNS3? ; Emulated Hardware ; Simulated Operating Systems ; Scalability with the GNS3 Server ; Virtual Connectivity; Open Source Integration ; The Dynamips Hypervisor ; QEMU and VirtualBox ; A Few Limitations ; Some Assembly Required ; Limited Emulation ; Hamstrung Network Performance ; Final Thoughts ; Chapter 2: Installing a Basic GNS3 System; General Requirements ; Installing on Microsoft Windows Installing on OS X Installing on Ubuntu Linux ; Installing GNS3 from Packages ; Installing GNS3 from Source Code ; GNS3 Appliances ; A Few Pros and Cons ; GNS3 WorkBench ; Installing GNS3 WorkBench ; Final Thoughts ; Chapter 3: Configuration; Acquiring an IOS Image ; Setting Up Your First IOS Router ; Configuring Dynamips ; Adding IOS Images to GNS3 ; Setting a Manual Idle-PC Value ; Final Thoughts ; Chapter 4: Creating and Managing Projects; Project Management Overview ; Terminology ; Screen Layout ; Using the GNS3 Toolbar ; First Toolbar Group ; Second Toolbar Group ; Third Toolbar Group Fourth Toolbar Group Using the Devices Toolbar ; Creating Your First

Project ; Working with Routers ; Creating Links Between Your Routers ;
Configuring Virtual Hardware ; Starting, Stopping, and Pausing Routers
; Logging On to Routers ; Ethernet Switch Nodes ; Changing Symbols
and Organizing Your Devices ; Final Thoughts ; Chapter 5: Integrating
Hosts and Using Wireshark; Virtual PC Simulator ; Installing VPCS ; VPCS
Commands ; VPCS IP Addressing ; VirtualBox ; Installing on Windows ;
Installing on OS X ; Installing on Linux ; Importing Appliances ;
VirtualBox Preferences
VirtualBox Virtual Machine Settings Using VirtualBox Hosts in a Project ;
Linking VirtualBox Host Nodes to Other Devices ; Simple VirtualBox
Project Using a Linux Virtual Machine ; Wireshark ; Installing on
Windows ; Installing on OS X ; Installing on Linux ; Capturing Packets in
GNS3 ; Final Thoughts ; Chapter 6: Juniper Olive and vSRX Firefly;
Installing QEMU on Windows and OS X ; Installing QEMU on Linux ;
Introducing Juniper ; Installing Juniper ; Process Overview ; Acquiring
FreeBSD ; Acquiring Juniper Olive Software ; Creating a Juniper Olive CD
Image File ; Creating an ISO in Windows
Creating an ISO in OS X Creating an ISO in Linux ; Installing and
Configuring FreeBSD Using QEMU ; Preparing Your Build Directory ;
Installing a Junos-Friendly FreeBSD System ; Installing the Juniper Olive
Package in FreeBSD ; Getting Your Olive Up and Running ; Backing Up
Juniper Olive ; Configuring a Juniper Router in GNS3 ; Adding the
Juniper Virtual Machine to GNS3 ; Adding Ethernet Interfaces ; Testing a
Juniper Router ; Running Juniper vSRX Firefly ; Creating a Firefly Virtual
Machine with VirtualBox ; Giving Your Virtual Machine More Processors
; Adding vSRX Firefly to GNS3
Creating a Project with a Zone-Based Firewall

Sommario/riassunto

The Book of GNS3 shows network engineers and systems administrators how to simulate network connections and troubleshoot potential network problems, all using only a single computer.

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ISSN	2239-4303
Descrizione fisica	1 online resource
Soggetti	Cultural property - Protection Historic preservation Historic sites - Conservation and restoration Periodicals.
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed
Sommario/riassunto	Digitization, multimedia and Information and communication technology (ICT) in support of cultural and environmental heritage (CH) documentation and preservation.