

Aventail
EXTRANET
Center

v3.0



Administrator's Guide

NT and UNIX



Table of Contents

AVENTAIL EXTRANET CENTER QUICK START GUIDE

Aventail ExtraNet Server Quick Start Guide	5
Aventail ExtraNet Center Components	5
Aventail ExtraNet Server Installation	6
Windows NT	6
UNIX	6
Client Installation	7
Essential Concepts for Aventail ExtraNet Server Policies	9
Access Control Rules	9
Authentication Rules	9
Filter Rules	10
Proxy Chaining Rules	10
Objects Used to Build Aventail ExtraNet Server Policies	10

POLICY CONSOLE

Policy Console	12
Introduction	12
Running the Policy Console	12
Server Settings	12
Server Options	12
General	12
Logging and Auditing	13
Log Viewer	16
Opening the Log Viewer	16
Configuring Services	17
Configuring server services	17
Viewing available services	17
Starting a service	17
Changing startup properties	17
Reconfiguring a service	18
Viewing server status	18
Connect to Remote	18
Connecting to a remote server	18
Access Control	19
Access Control Tab	19
Column headings (definitions)	19
Changing rule order	20
Adding rules	20

Editing rules	20
Deleting rules	20
Access Control Builder	21
Creating access control rules	21
Assigning a "permit" or "deny" status to a rule	21
Making a rule active or inactive.	21
Source networks	22
Destination networks.	24
Users and Groups.	29
Advanced	32
Authentication	36
Changing rule order	36
Adding authentication rules.	37
Editing authentication rules.	37
Deleting authentication rules.	37
Authentication Builder	38
Source Networks.	38
Authentication Methods	40
Authentication Modules.	43
Filtering	48
HTTP Content Filter	48
HTTP Authentication Forwarding filter	48
Adding Filtering Rules.	49
Editing Filtering Rules.	49
Removing Filtering Rules	49
Filter Builder.	49
HTTP Content Filter	51
Proxy Chaining	53
Adding a Proxy	53
Editing a Proxy	53
Deleting a Proxy	53
Proxy Chain Builder.	53
Adding a primary/fallback host and port	54
Editing a primary/fallback host and port	54
Determining SOCKS version	54
Active/disabled (checkbox).	54
Network Setup.	55
Routing Rules	55
Adding a route.	56
Editing a route.	56
Deleting a route.	56
Adding a routing rule.	56
Editing a routing rule.	56
Deleting a routing rule.	57

CONFIGURATION FILE FORMAT

Introduction	58
General Syntax	58
Data Types	58
Tokens	59
Booleans	59
Integers	59
Simple Strings	59
Strings	59
Common Attributes	59
Order of Objects	60
Modules	60
Loading a Module	60
Including a Module in an Installation	61
Referencing a Module in a Rule	61
Defining Users and Groups	62
Defining Networks	63
Defining SOCKS Servers	64
Rules	64
Common Attributes of Rules	65
Authentication	66
Access Control	66
Filters	67
Routing Entries	68
Proxy Chaining	68
Installation	68
Policy	71
Logging	72
Log Methods	72
Log Levels	72
Log Output Options	73
Auditing	73
Information Types	73
Output Formats	74

Aventail ExtraNet Server Quick Start Guide

Welcome to the Aventail ExtraNet Server Quick Start Guide.

Aventail ExtraNet Server is the server component of the Aventail ExtraNet Center, a client/server solution for management of sophisticated extranets. Setup of the Aventail ExtraNet Center requires that installation on both a server and multiple client machines. Setup of the Aventail ExtraNet Server consists of installing several components.

AVENTAIL EXTRANET CENTER COMPONENTS

The following are the components of the Aventail ExtraNet Center.

- **Aventail ExtraNet Server:** The primary component of Aventail ExtraNet Center is the ExtraNet Server. This is a SOCKS v5 proxy server that manages the authentication of users and processes all of the connection requests. Aventail ExtraNet Server can manage traffic for both incoming (external users attempting to reach internal network resources) and outgoing (internal users attempting to reach external network resources) network traffic.
- **Aventail Policy Console:** The Aventail Policy Console is the graphical administrative tool for creating, viewing and managing the policies for your extranet. It can also be used for starting and stopping the ExtraNet Server as well as viewing log and license files.

The Policy Console provides a graphical front-end for the configuration file that the Aventail ExtraNet Server uses. The Policy Console can be run locally on the machine that the ExtraNet Server is installed on or remotely to manage a server that resides on another machine. When the Policy Console is being run remotely, it will establish a secure LAN, WAN or Internet connection via the Management Server (see below). A remote Policy Console running on a Windows NT machine can configure a UNIX Aventail ExtraNet Server and vice versa.

- **Aventail Management Server:** The Aventail Management Server is an optional service that allows administrators to remotely manage an ExtraNet Server. The Management Server and Policy Console communicate via a secure, encrypted connection.

The Management Server must be installed on the same machine as the ExtraNet Server.

- **Aventail Management Server Config Tool:** The Aventail Management Server Config Tool is the administrative utility that establishes a policy specific to the Management Server. This policy will determine which administrators can manage the ExtraNet Server, how they must authenticate and which network interfaces the server will accept traffic from. The policy also defines the specific directories that can be browsed remotely.
- **Aventail Connect:** Aventail Connect is the client component of the Aventail ExtraNet Center solution.

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.