



Chapter 1

About this Manual

1.1 Overview

This manual lists GateD commands alphabetically within protocol sections. For example, if you are looking for the `authentication` command in RIP, look in Chapter 7, RIP, under the A's.

For information about how to install GateD, see *Installing GateD*. For information on protocol syntax or a general overview of a protocol, see *Configuring GateD*. For information on the operation of GateD, including options, signals, and various support programs, see *Operating GateD*. (Utilities covered include `gdc`, `rip query`, `gated`, `gii`, and `ospfmon`.)

1.2 Audience

This manual is written for operators who are configuring GateD to route packets. It is designed as a companion to the *Configuring GateD* manual, and explains each GateD command in greater detail. You will need to understand basic routing concepts and UNIX commands to understand this manual.

1.3 GateD Command Reference Sections

In general, command entries of this manual have eight sections:

- Name
- Syntax
- Parameters
- Description
- Default
- Context
- Examples
- See Also

1.3.1 Name

The Name section lists the name and a short description of the command. For example, the `key` command in RIP:

`key` - sets a RIP MD5 key

1.3.2 Syntax

The Syntax section lists all valid syntax formats. For example, the `key` command in RIP has two valid syntax formats:

```
key password id med5idnum ;  
key password id med5idnum { start-generate date-time ; stop-generate  
  date-time; start-accept date-time; stop-accept date-time; } ;
```

key is a command and is shown in **bold** font; GateD expects the term as shown. *password* is a variable and is shown in *italic* font; GateD expects you to supply a password.

1.3.3 Parameters

The Parameters section lists each possible parameter for the command, a description of what sort of parameter GateD expects (for example, decimal number or hexadecimal number), and the range of values GateD expects. (For example, 0.0.0.0 to 255.255.255.255 is the range for a RIP *password*.)

1.3.4 Description

The Description section includes a detailed description of the command.

1.3.5 Default

The Default section includes the default value(s) of the command and its parameters.

1.3.6 Context

The Context section lists the valid locations in which GateD expects this command to be used. For example, the RIP **key** command is expected on the **rip authentication** statement or the **rip query** statement.

1.3.7 Examples

The Examples section lists valid syntax including this command.

1.3.8 See Also

The See Also section lists other commands or sections of this guide or *Configuring GateD* that might be useful. In addition, other publicly available documents, such as RFCs, may be listed here.