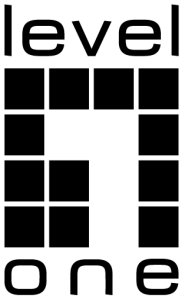
NTP Configuration



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Chapter 1 Overview

1.1 Stipulation

1.1.1 Format Stipulation in the Command Line

Syntax	Meaning
Bold	Stands for the keyword in the command line, which stays unchanged and must be entered without any modification. It is presented as a bold in the command line.
{italic}	Stands for the parameter in the command line, which must be replaced by the actual value. It must be presented by the italic in the brace.
<*italic*>	Stands for the parameter in the command line, which must be replaced by the actual value. It must be presented by the italic in the point bracket.
[ ]	Stands for the optional parameter, which is in the square bracket.
{ x | y | ... }	Means that you can choose one option from two or more options.
[x | y | ...]	Means that you can choose one option or none from two or more options.
{ x | y | ... } *	Means that you has to choose at least one option from two or more options, or even choose all options.
[x | y | ...] *	Means that you can choose multiple options or none from two or more options.
&<1-n>	Means that the parameter before the “&” symbol can be entered 1~n times.
#	Means that the line starting with the “#” symbol is an explanation line.

Chapter 2 NTP Configuration

2.1 Overview

Network Time Protocol (NTP) is a type of computer time synchronization protocol which can be used for time synchronization between distributed time servers and clients. It has highly accurate time correction function and can prevent malicious protocol attacks through encrypted authentication. Clients and servers communicate through the User Datagram Protocol (UDP), and the port number is 123.

2.2 NTP Configuration

2.2.1 Configuring the NTP Reference Clock Source

Configuration mode: Global

Command	Purpose
ntpd server **<address>**	Configures the NTP Reference Clock Source.
no ntpd server **<address>**	Deletes the NTP server of an IP address.

2.2.2 Enabling/disabling NTP service

Configuration mode: Global

Command	Purpose
ntpd enable	Enables the ntp service, and starts the server and the client at the same time.
no ntpd enable	Disables the ntp service, and closed the server and client at the same time.