

HALLIBURTON

SmartScan Aero-mini NTP configuration

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1 Introduction

NTP can be configured via the HTTP interface at <http://10.0.0.150/time>.

SmartScan time

HOME NETWORK SETTINGS SPECTRUM PEAKS STORAGE TIME DIAGNOSTICS

Time sync

UTC time
time (HH:MM:SS): 00 : 00 : 00
date (DD/MM/YYYY): 01 / 01 / 1970
Sync

NTP

☒ Enable Submit

NTP server list

	server	prefer	iburst	burst	minpoll	maxpoll	version
<input type="checkbox"/>	10.0.0.2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5	10	4

delete

Add NTP server to list

	server	prefer	iburst	burst	minpoll	maxpoll	version
<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	6	10	4

add

Figure 1 HTTP time page

2 Time sync

To manually set the time and date set the time and date fields to reflect the current UTC time and press the "Sync" button. This will have no effect if NTP is enabled.

3 NTP

To enable or disable NTP, set or clear the NTP check-box and press the "Submit" button. It is only possible to enable NTP if there is at least one server defined in the NTP server list.

When NTP is enabled, it is no longer possible to manually sync the time, nor will SmartSoft sync the time on connection. It can take some time for the time to synchronise due to the nature of the NTP algorithms. Selecting the burst and iburst options can help to speed up synchronisation.

3.1 NTP server list

The NTP server list shows all defined NTP servers. Servers can be removed by setting the relevant check-box or boxes and pressing the "delete" button.

3.2 Add NTP server

To add a new NTP server, fill in the configuration options and press the "add" button.

The configuration options are as follows:

3.2.0.1 server IP address of NTP server.

3.2.0.2 prefer Marks the server as preferred. All other things being equal, this host will be chosen for synchronisation among a set of correctly operating hosts.

3.2.0.3 iburst When the server is unreachable, send a burst of six packets instead of the usual one. This is designed to speed the initial synchronisation acquisition.

3.2.0.4 burst When the server is reachable, send a burst of eight packets instead of the usual one. This is designed to improve time-keeping quality.

3.2.0.5 minpoll Specifies the minimum poll interval for NTP messages, as a power of 2 in seconds. The minimum poll interval defaults to 6 (64 s).

3.2.0.6 maxpoll Specifies the maximum poll interval for NTP messages, as a power of 2 in seconds. The maximum poll interval defaults to 10 (1,024 s).

3.2.0.7 version Specifies the version number to be used for outgoing NTP packets. Versions 1-4 are the choices, with version 4 the default.