



New Features in ibaHD-Server v2.5.0

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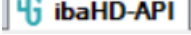
1 Important Information

This document describes the new features of ibaHD-Server v2.5.0.

The main new feature for this version of ibaHD-Server is the API gRPC interface. This was why the focus was on the implementation of the interface during the development phase. Some minor other improvements are also part of this version as well as critical bug fixes.

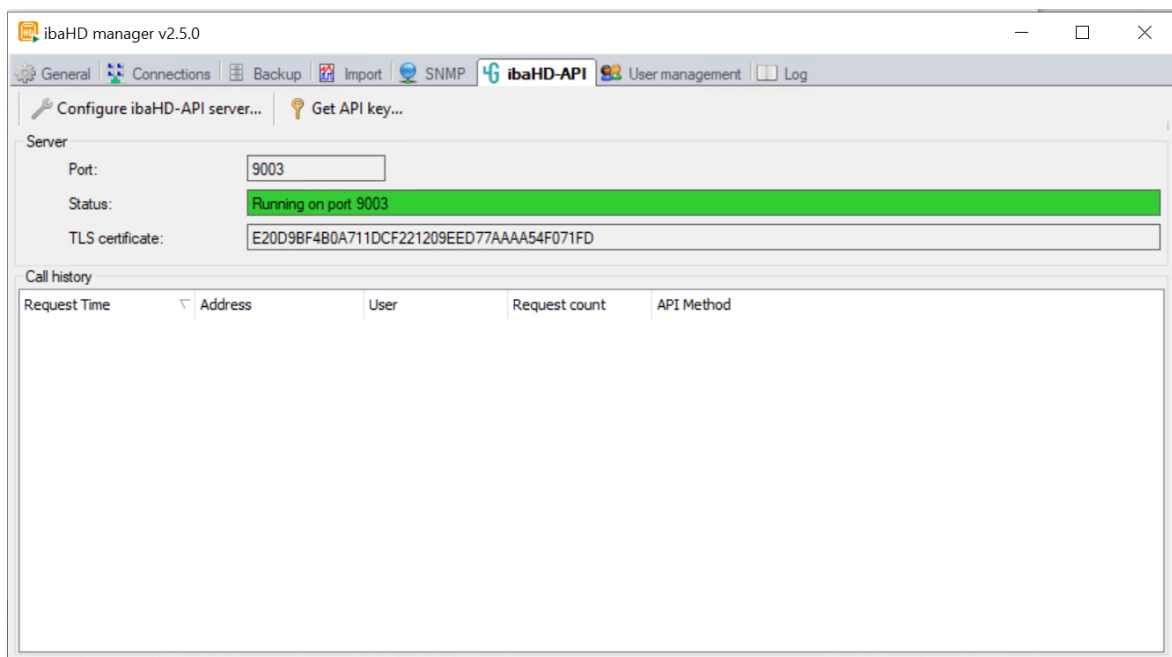
2 API Interface

With the new API interface, it is possible to request signal and event information of a defined time range by a third-party client.

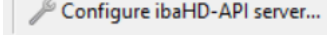
The current *ibaHD-API* configuration is displayed at the tab *ibaHD-API*  at the *ibaHD manager* GUI.

The following information is visualized:

Port	Port number for the <i>ibaHD-API</i> communication
Status	Current status of the API
TLS certificate	Fingerprint of the TLS certificate which is currently in use
Active user API key	API key of current logged in user
Connected clients	List of connected gRPC clients since start of the <i>ibaHD-Server</i> service



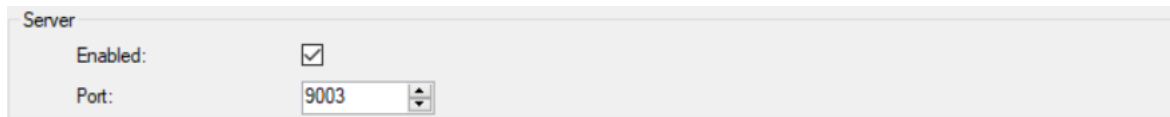
2.1 Configuration

By clicking the *Configure ibaHD-API* button  at the top of the tab page the configuration dialog for the *ibaHD-API* settings is displayed.

The Dialog is split into three configuration areas:

2.1.1 Server

- Enable Enable or disable the *ibaHD-API* functionally
- Port Enter another port if the default port 9003 is in use or another port should be used for the *ibaHD-API* communication



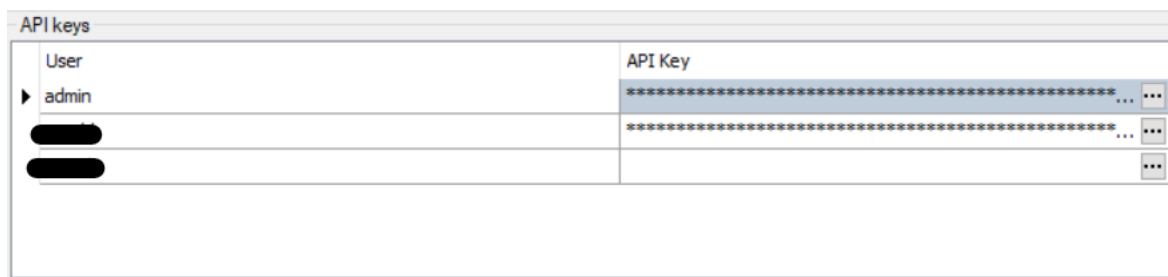
Server

Enabled: ☒


Port: 9003

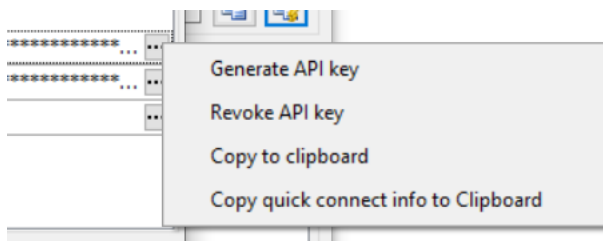
2.1.2 API keys

A list of all the users configured in the ibaHD user management is shown. For each user an API key can be generated in the *API Key* column. This API key is only necessary when user management is enabled.



User	API Key
admin	*****
*****	*****
*****	*****

The button  provides a context menu to manage the user's API key and connection information:



Detailed information about the API can be found in the API manual

3 Detailed Client Information in Log Files

To get a better overview to analyze the different connected clients and the different connection of the same clients, each connection gets a unique number which will be added in the logfile entry:

```
2020-12-07 12:18:35.412 [Info][46:] Reading Client 'IBA-FUE-NOTExxx/name/ibaPda7.2.5 0' connected
2020-12-07 12:31:10.567 [Info][30:] Reading Client 'IBA-FUE-NOTExxx/name/ibaAnalyzer7.2.2.0 1'
connected
2020-12-07 12:31:10.739 [Info][52:] Reading Client 'IBA-FUE-NOTExxx/name/ibaAnalyzer7.2.2.0 2'
2020-12-07 12:31:36.639 [Info][38:] Reading Client 'IBA-FUE- NOTExxx/name/ibaAnalyzer7.2.2.0 1'
disconnected
```

4 Number of stored Logfiles


From this version, it is possible to define the number of stored logfiles and number of zipped logfiles. This happens in the `hdGeneral.cfg` file with the two keywords 'maxZippedLogFiles' and 'maxLogFiles'

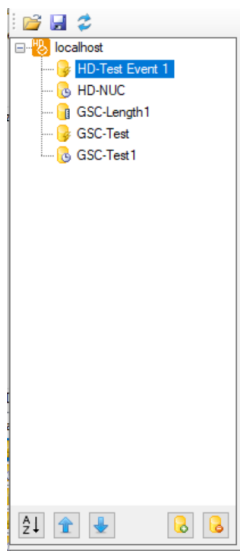
```
<Server>
  <port>9180</port>
  <maxConcurrentCalls>64</maxConcurrentCalls>
  <maxConcurrentSessions>128</maxConcurrentSessions>
  <maxZippedLogFiles>50</maxZippedLogFiles>
  <maxLogFiles>100</maxLogFiles>
</Server>
```

5 Manual Mode for Store sort order

From this version, it is possible to define the sort order of the HD-stores. The two possible modes are 'alphabetically' or 'manual'.



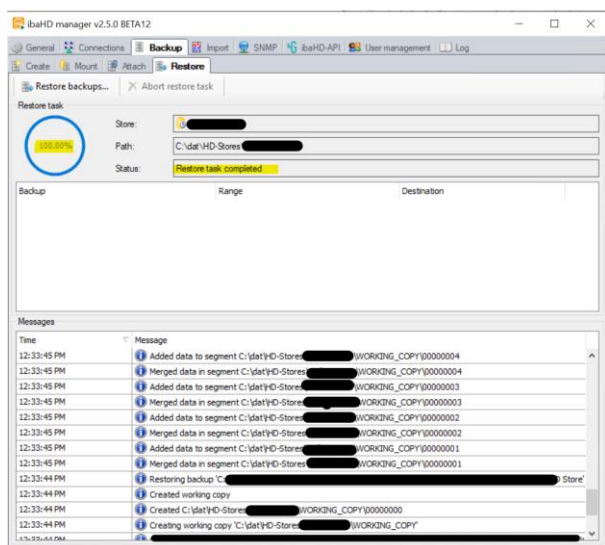
The selection can be done in the store configuration of the HD-Manager. With the button  the user selects the alphabetically mode. Using the two arrow keys, the selected store will be moved up and down.



6 Clear information about restore process

From this version, the result of the restore process will be shown in the restore dialog and not only in the log files.

The results will be displayed until the next restore process will be started.



7 Additional system information

From this version, the system_info.txt file, that is part of the support file, contains additional information about installed software and windows updates of the host system.

The file is now similar to the one, that is created in the support files of an ibaPDA system.