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SSI new Configurator

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The Station Standard Interface (SSI) is a modular software, consisting of a set of executable programs, application programming interfaces (API) and libraries. The main purpose of SSI is to collect, sign, buffer, reformat and transmit data using IDC format. SSI is used at more than 150 IMS stations in all waveform technologies as well as at several NDCs. The Web configurator has been the main interface for operators to configure SSI, however this web interface can appear as complex and sometimes not so user-friendly. One of the major issues of this configurator is that it's challenging to configure SSI over a low bandwidth link. A new configurator was then developed to fill the gaps and difficulties of the previous interface and compatible with CTBTO network infrastructure. This new configurator is a fat client developed in Python running on both Linux and Windows. The backend compresses the entire configuration in one file before sending it to the frontend. The file is then read by the frontend which will display information in a user-friendly way for reading or modification. When a change is done in the configuration, the frontend will zip the configuration in one file before sending it to the backend.

Promotional text

The management of continuous and efficient station data acquisition and data forwarding to the IDC is a key functionality of IMS stations with deficiencies impacting directly the station performance.

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