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of the verification email flow in the CTBTO

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The PTS uses email (SMTP) as a transport mechanism for a portion of the verification data received from the IMS stations and laboratories and for data transmitted to States Signatories. Currently the PTS uses the email domain @ctbto.org for both its verification and non-verification email systems, forcing the sharing of resources and making it difficult to segregate the email flows and systems.

Starting in 2017, the PTS built a new structure for its email systems that allows for the full segregation of the verification and non-verification email flows. The domain @ctbto.int was chosen for the verification systems. The basic infrastructure was assembled and made available to PTS teams. Software solutions are being developed to allow the use of the new email domain.

This presentation will describe the high-level architecture design and the solutions developed for the new email domain. It will also highlight the challenges to implement the new design, such as the need to change the configuration of the IMS stations.

Promotional text

The PTS uses email as a transport mechanism for verification and non-verification systems and identified the need to segregate verification email flows. This presentation describes the project to create a new email domain for verification data on a segregated infrastructure.

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