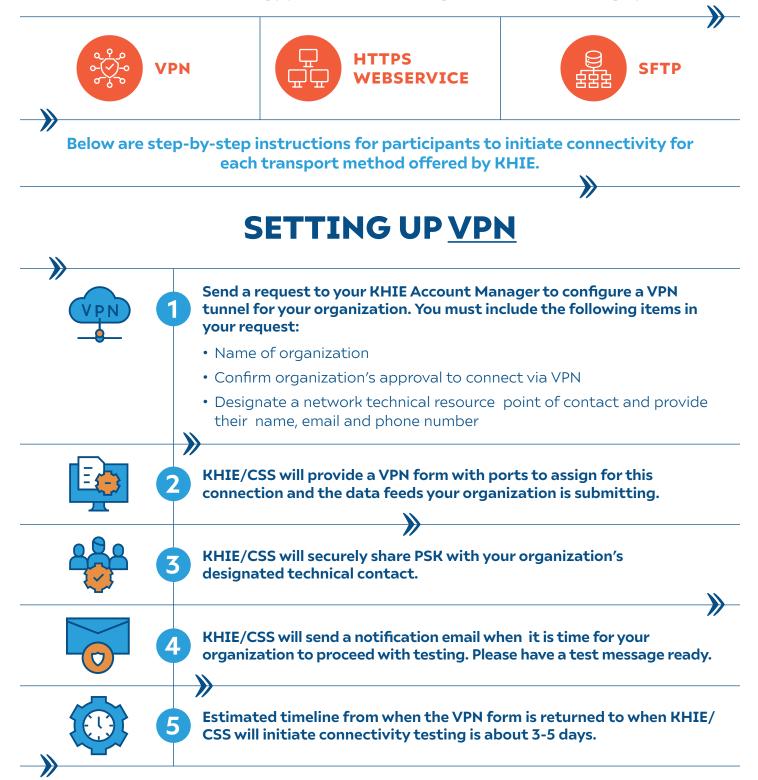# KHIE CONNECTIVITY OPTIONS AND DATA FEED TYPES

This guide is designed to help your organization connect to Kentucky Health Information Exchange's (KHIE) and its new technology provider, CRISP Shared Services (CSS).

If you have any questions on which connectivity option is best for your organization, please contact your KHIE Account Manager

CONNECTIVITY OPTIONS

KHIE offers three transport methods for data exchange. KHIE participants must connect to KHIE and its technology partner, CSS, through one of the following options:

VPN   **HTTPS WEBSERVICE**   **SFTP**

Below are step-by-step instructions for participants to initiate connectivity for each transport method offered by KHIE.

SETTING UP VPN

1 Send a request to your KHIE Account Manager to configure a VPN tunnel for your organization. You must include the following items in your request:

- Name of organization
- Confirm organization's approval to connect via VPN
- Designate a network technical resource point of contact and provide their name, email and phone number

2 KHIE/CSS will provide a VPN form with ports to assign for this connection and the data feeds your organization is submitting.

3 KHIE/CSS will securely share PSK with your organization's designated technical contact.

4 KHIE/CSS will send a notification email when it is time for your organization to proceed with testing. Please have a test message ready.

5 Estimated timeline from when the VPN form is returned to when KHIE/CSS will initiate connectivity testing is about 3-5 days.

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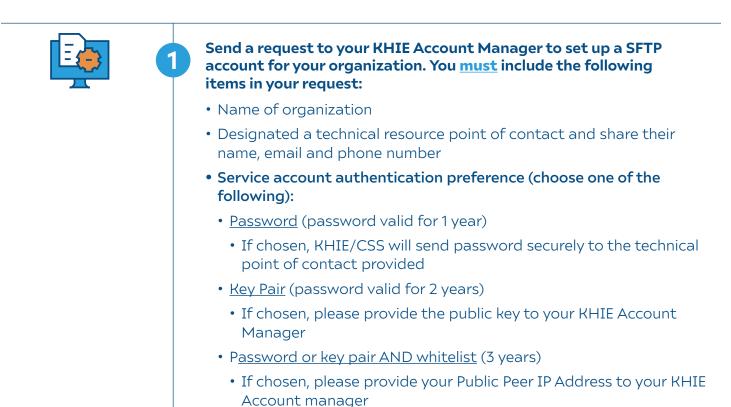
SETTING UP HTTPS WEBSERVICE

1 Send a request to your KHIE Account Manager to set up an HTTPS connection for your organization. You **must** include the following items in your request:

- Name of organization
- Client generated certificate signing request (CSR)
- Peer Public IP address(es) from which your organization will send data
- Designate a network technical resource point of contact and provide their name, email and phone number

2 KHIE/CSS will issue URLs for Test and Prod and share WSDL.

3 KHIE/CSS will issue client-specific public certificates to be trusted.

4 Once you have a test message with the custom headers ready, please notify your KHIE Account Manager when you are ready for CSS to verify connectivity.

5 Estimated timeline for creating public cert after receipt of CSR is about 3-5 days.

HOW TO GENERATE A CERTIFICATE SIGNING REQUEST (CSR)

1 Generate a certificate signing request (CSR) and provide us with the CSR (doesn't have to be posted securely). The following articles provides insight on to how generate a CSR: CSR Creation | Create Certificate Signing Request | DigiCert.

2 Ensure it is 2048-bit signing.

3 Separate certificates will be issued from both TEST and PROD domains. The same CSR can be used for both TEST and PROD from the same server, or one CSR each from separate servers depending on how your system is configured.

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SETTING UP SFTP

1 **Send a request to your KHIE Account Manager to set up a SFTP account for your organization. You <u>must</u> include the following items in your request:**

- Name of organization
- Designated a technical resource point of contact and share their name, email and phone number
- **Service account authentication preference (choose one of the following):**
  - <u>Password</u> (password valid for 1 year)
    - If chosen, KHIE/CSS will send password securely to the technical point of contact provided
  - <u>Key Pair</u> (password valid for 2 years)
    - If chosen, please provide the public key to your KHIE Account Manager
  - <u>Password or key pair AND whitelist</u> (3 years)
    - If chosen, please provide your Public Peer IP Address to your KHIE Account manager

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