

Forcepoint

Forcepoint Data Classification

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Agent InstallerConfig.json and CLI Config



Report

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InstallerConfig.json

The `installerConfig.json` file is utilized for configuring the initial environment settings of the agent being installed. It must be placed in the same directory as the `.msi` installer file.

Configuration Options

- `ServerAddress`: The cluster's address (without schema and port). IPv6 is also supported; however, it requires internal verification.
- `ServerUseSsl`: Determines if SSL is used (`true` by default). When enabled, port 443 is used; otherwise, port 80 is used. The agent does not switch to an insecure channel if SSL fails.
- `Language`: Sets the agent's initial language. Options include `ar`, `de`, `es`, `fr`, `he`, `it`, `pl`, `pt`, `th`, `zh`. Default is `en`.
- `VisualStyle`: Chooses between `Light` or `Dark` mode, with `Dark` mode set as the default.
- `KeycloakClientId`: The `ClientId` in Keycloak, typically `agent` by default. It is recommended not to change this unless necessary.
- `KeycloakAuthType`: Specifies the authentication method. Default is `mTLS`. Options include:
 - `mTLS`: Authentication via user certificate.
 - `PasswordGrant`: User password grant flow for authentication.

Authentication Configuration Details

For `mTLS`:

- `KeycloakUsername`: Generally, `agent` with email `agent@gv.com` (default). Changing this is usually unnecessary.
- `KeycloakCertificateContent`: The user's certificate in PEM format (excluding the BEGIN/END certificate lines).
- `KeycloakKeyContent`: The user's private key in PEM format (excluding the BEGIN/END private key lines).

For `PasswordGrant`:

- `KeycloakUsername`: Same as above.
- `KeycloakUserPassword`: The encrypted password corresponding to `KeycloakUsername`. Use `GVClient.Tools.SetupHelper` for encryption.
- `KeycloakClientSecret`: The encrypted client secret for the Keycloak client. Use `GVClient.Tools.SetupHelper` for encryption.

CLI Configuration (agent version \geq 4.0.0)

As an alternative to `installerConfig.json`, configuration parameters can be provided via CLI arguments during installation:

```
msiexec /i "path_to_msi.msi" SERVERADDRESS="{server_address}" SERVERUSESSL="True" LANGUAGE="en"
VISUALSTYLE="1" KEYCLOAKCLIENTID="agent_v2" KEYCLOAKAUTHTYPE="1" KEYCLOAKUSERNAME="agent"
KEYCLOAKUSERPASSWORD="{pwd}" KEYCLOAKCLIENTSECRET="{secret}"
```

Ensure that all argument keys are in uppercase.

GVClient.Tools.SetupHelper

The `GVClient.Tools.SetupHelper` utility aids in creating a valid configuration for installation. It will walk through the configuration process and ultimately generate an `installerConfig.json` file and a corresponding CLI command.



figure 1.

Binaries:

→ Windows - [GVClient.Tools.SetupHelper.zip](#)

Example Configuration

For typical customer installations, altering the `ServerAddress`, `Language`, and `VisualStyle` is often sufficient:

```
{
  "ServerAddress": "123.example.abc.com",
  "Language": "en",
  "VisualStyle": "Dark"
}
```

Remember to adjust the configuration according to the specific requirements of the installation environment.



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About Forcepoint

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