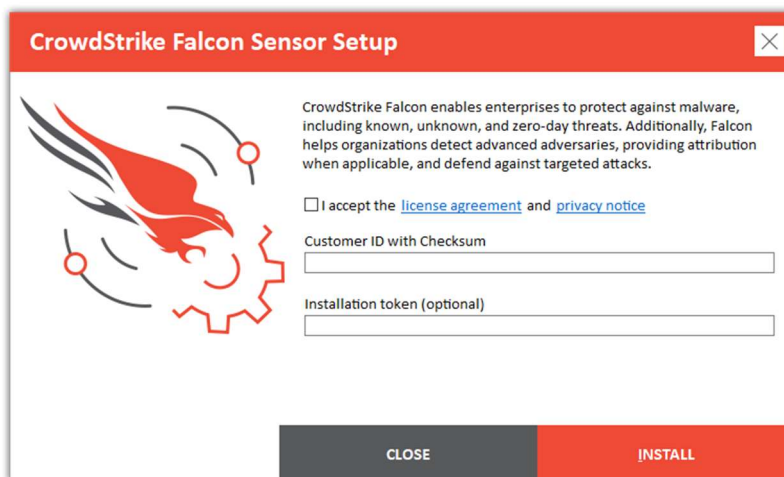# Installation Tokens

If you've deployed the Crowdstrike sensor manually, you may be wondering about the optional field for installation tokens:

By default the only requirements to deploy Crowdstrike are the installation file and your Customer ID (or CID). Since your CID never changes, this also means that anyone who obtains your CID will be able to deploy assets in your Crowdstrike environment. For most admins this isn't an issue – the CID is hidden from end users and most deployments are handled by admins either directly or via deployment solutions like SCCM or PDQ.

On the other hand, there can be situations where a CID is exposed to a wider audience, either accidentally or by necessity. For example, maybe your organization has temporary workers assisting with deployment. Or maybe someone accidentally sent your CID in an email to your entire staff. This is the scenario that installation tokens are meant to address. Enabling installation tokens means that anyone deploying Crowdstrike would need your CID *and a valid token*. Since these tokens can be revoked on a set schedule or on demand, someone who was able to deploy Crowdstrike six months ago does not need to have that ability now if you don't want them to. In this doc we're going to explore the process for enabling and using installation tokens.

How to use Installation tokens

As noted, by default installation tokens are disabled. Admin users have the ability to create and manage installation tokens in their own enviroment, and you can create and distribute one or more tokens prior to requiring token usage to streamline the process.

1) Installation token management can be found by going to *Host Setup and Management > Deploy > Installation Tokens*.

2) Click Add token to create your first token. Name the token and set an expiration date if desired.

3) The token is now active and the value can be revealed for use in a manual or automatic deployment. For auto deployments, the only change will be an additional parameter where you add an active token, like so: *<installer_filename> /install /quiet /norestart CID=<CCID>* **ProvToken=ABCD1234**

4) Tokens can be revoked at any time, whether you've defined a expiration or not. To revoke a token, simply click the action menu and select 'revoke'. A revoked token will immediately become unusable for future installs but will remain in the console for 7 days to allow restoration if needed.
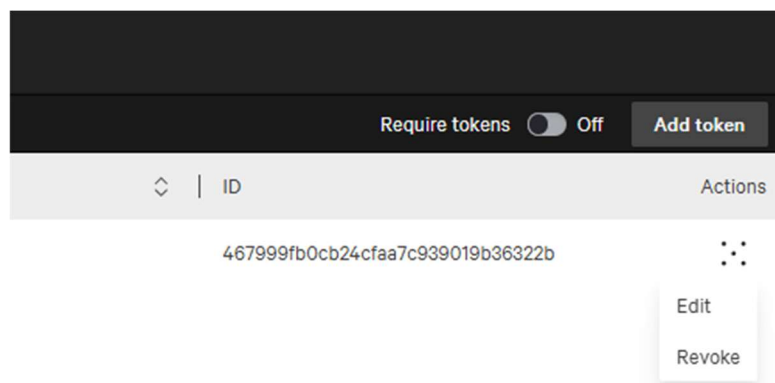
Note: Revoking a token does not affect hosts deployed using that token – it only prevents the token from being used in the future.

5) When you are ready to begin enforcing token usage, set the 'Require tokens' toggle to On.