

BloodHound

latest

Search docs

INSTALLATION

Windows

macOS

Linux

DATA COLLECTION

SharpHound

All SharpHound Flags, Explained

☐ AzureHound

Building AzureHound From Source

Collecting Data with AzureHound

Dealing with Multi-Factor Auth and Conditional Access Policies

All AzureHound Flags, Explained

BloodHound.py

DATA ANALYSIS

The BloodHound GUI

Nodes

Edges

FURTHER READING/VIEWING

Further Reading/Viewing

BloodHound JSON Formats

[Docs](#) » AzureHound[Edit on GitHub](#)

**Note**

This documentation applies to Legacy BloodHound and is no longer maintained.

See up-to-date documentation for BloodHound CE here: [AzureHound Community Edition](#)

# AzureHound

AzureHound is a Go binary that collects data from AzureAD and AzureRM via the MS Graph and Azure REST APIs. It does not use any external dependencies and will run on any operating system.

## Building AzureHound From Source

You can build AzureHound from source by cloning this repository:

Then, cd into the directory you just cloned and type:

```
go build .
```

This will build AzureHound and you will have a new binary called azurehound in this directory.

## Collecting Data with AzureHound

AzureHound supports several authentication flows for collecting information from Azure. You can supply a username/password combo, a JWT, a refresh token, a service principal secret, or service principal certificate. You can combine these various authentication methods with several collection scoping options.

For example, to authenticate with a username/password and list all groups in a tenant:

```
./azurehound -u "MattNelson@contoso.onmicrosoft.com" -p "MyVeryStrongPassword" list groups
```

AzureHound will authenticate as that user and print all groups in the “Contoso” tenant.

Or, you may want to supply a JWT and collect all users from the tenant instead. You do not need to supply a username or password when supplying a JWT:

```
./azurehound -j "ey..." list users --tenant "contoso.onmicrosoft.com"
```

When collecting data for import into BloodHound, you must use the `-o` switch to instruct AzureHound to output to a file. For example, to list all available data in both AzureAD and AzureRM, you can do this:

```
./azurehound -u "MattNelson@contoso.onmicrosoft.com" -p "MyVeryStrongPassword" list groups
```

## Dealing with Multi-Factor Auth and Conditional Access Policies

If a user has MFA or CAP restrictions applied to them, you will not be able to authenticate with just a username and password with AzureHound. In this situation, you can acquire a

