

NFT/Token Gating

NFT/Token Gating is a feature of access control, just like access lists. It is a way of restricting access to those who have certain NFTs or tokens. For example, you can:

- restrict page access based on users NFTs or Tokens
- give user list of scopes based on users NFTs or Tokens

The feature works by defining what are called “gates”. You can have multiple gates based on different contract addresses. Inside of a gate you can add multiple criteria which all needs to be fulfilled for gate to be applied. Remember that between different gates we are adding anOR statement. That allows you to create a complex logic based onAND andOR gates, as you’ll see in the example section on this page!

How to create a new gate?

If you want to create one go to [Configurations page](#) of your developer dashboard and click on the Access control card.

1. Simply click “Create new gate”
2. Set a name for your gate
3. Choose from two options:1. Allow Site Access - users who fulfils the criteria won’t be blocked from entering the site.
4.
 1. Return scope - users who fulfils the criteria will have a scope added to theirjwt
5.
 1. token.
6. Select chain on which you want to apply the gate. Right now we only allow adding gates forEthereum
7. ,Polygon
8. ,Optimism
9. ,Arbitrum
10. . If you need another, let us know!
11. Select the type of criteria for the gate:
12. Token - for token criteria you need to select a token you want for users to have and amount.
13. NFT - for NFT criteria you need to enter contract address of NFT you want for users to have.
14. Save and enable the toggle when you’re ready.
15. Boom. You’re done!

Examples

Block site for users without specific amount of tokens.

Gate setup:

- User needs to have at least 1 SHIB to enter the site.
- User is blocked in Dynamic SDK:

Add scope for usersjwt when having specific NFT

Gate setup:

- User needs to have specific NFT to haveadmin
- scope
- User has anadmin
- scope added to thejwt
- json
- {
- ...
- "scope": "admin",
- ...
- }

Working with scopes

To simplify working with scopes, we created a custom hook named `useDynamicScopes`. It allows checking for users scopes and checking if one or many of them are in users jwt token. Check the docs [here](#).

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