

2. Attack Mitigations

LLMNR Poisoning

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Mitigation

The best defense in this case is to disable LLMNR and NBT-NS.

- To disable LLMNR, select “Turn OFF Multicast Name Resolution” under Local Computer Policy > Computer Configuration > Administrative Templates > Network > DNS Client in the Group Policy Editor.
- To disable NBT-NS, navigate to Network Connections > Network Adapter Properties > TCP/IPv4 Properties > Advanced tab > WINS tab and select “Disable NetBIOS over TCP/IP”.

If a company must use or cannot disable LLMNR/NBT-NS, the best course of action is to:

- Require Network Access Control.
- Require strong user passwords (e.g., >14 characters in length and limit common word usage). The more complex and long the password, the harder it is for an attacker to crack the hash.

Token Impersonation

Mitigation Strategies:

- Limit user/group token creation permission
- Account tiering
- Local admin restriction