

AppendData (or AddSubdirectory or CreatePipeInstance), ReadEA, WriteEA, ReadAttributes, WriteAttributes)

Prevention Opportunities:

- Prevent relay attacks by enabling SMB signing:
 - O HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\LanManWorkstation \Parameters\RequireSecuritySignature = 1
 - O HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\LanManWorkstation
 \Parameters\EnableSecuritySignature = 1
- MSFT link for guidance: https://docs.microsoft.com/en-us/troubleshoot/windows-server/networking/overview-server-message-block-signing

Notes:

- RPC filter doesn't exist for this interface due to the unknowings of other technologies that could be leveraging MS-WKST.
- Service Name: Lanman Workstation
- Often seen with BH activity for user enumeration.
- Look for connection to named pipe (both client and server)
- Protocol was built to facilitate remote tasks on a host, such as:
 - SMB network redirector configuration
 - Manage domain memberships
 - Return information related to user logins and enabled transports
- In order to run successfully requester must have administrator rights

Useful Resources: