### **Linux Enumeration using Enum4linux**

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#### **Tool Overview**

**Enum4linux** is a Linux tool for enumerating information from Windows systems via SMB (Server Message Block) protocol. It retrieves usernames, shares, and group memberships.

#### **Installation Steps**

1. Open a terminal in Linux.
2. Use apt to install enum4linux
   1. Sudo apt install enum4linux

#### **Usage**

* **Purpose**: Gather information about SMB shares, users, and groups on a Windows target.
* **How to Use**:
  + Run Enum4linux against a target IP:

enum4linux <ip\_address>

* + Analyze the output, which may include:
    - NetBIOS names.
    - Shared folders.
    - Usernames and group memberships.
  + For more specific enumeration, use flags like -U for user enumeration or -S for share enumeration:

