-> Local Security Policy :-

* Description :

It refers to the security settings and configurations that can be applied to individual Windows-based computers or servers. These settings help administrators and users define the security posture of a single machine. Local Security Policy settings are distinct from Group Policy settings, which are applied across multiple computers in a domain.

* Accessing Local Security Policy:
* 1.)Open the Local Security Policy Management Console:
  + Press Win + R to open the Run dialog box.
  + Type secpol.msc and press Enter. This will open the Local Security Policy management console.
* 2.)Navigate to Specific Security Settings:
  + Once the Local Security Policy console is open, you can navigate through the various security settings categories and configure them according to your requirements.
* Key Security Areas in Local Security Policy:
* 1.)Account Policies:
  + Password Policy: Configure password complexity, length, history, and expiration settings.
  + Account Lockout Policy: Define account lockout threshold, duration, and reset options.
* 2.)Local Policies:
  + Audit Policy: Set auditing options for various events, helping with security monitoring and compliance.
  + User Rights Assignment: Assign specific rights and privileges to user accounts or groups.
  + Security Options: Configure settings related to password policies, user account control, and more.
* 3.)Security Options:
  + Interactive Logon: Configure settings such as account lockout, logon messages, and interactive logon behavior.
  + Network Security: Set security-related options for network communications, including SMB and NTLM settings.
* 4.)Event Log Settings:
  + Define how event logs are configured, including maximum log sizes and retention policies.
* 5.)Restricted Groups:
  + Control membership in built-in and user-defined local groups on the computer.
* 6.)Software Restriction Policies (AppLocker):
  + Specify which applications are allowed or denied from running on the computer.
* 7.)IP Security Policies:
  + Configure IPsec policies to control network communication security.
* 8.)Advanced Audit Policy Configuration:
  + Fine-tune auditing settings for specific events and objects.