

.Net Assemblies Interview Questions Pdf

Question: 1

What is an assembly?

An Assembly is a collection of files that appear to be a single DLL or executable.

Assemblies are the .NET unit of reuse, versioning, security and deployment.

It also contains resources such as .gif files, type definitions for each class, metadata.

Question: 2

What are the two conditions in the shared assembly?

There are two conditions, which should be followed while using the shared assembly.

Exact assembly is specified to load.

Ensure that the assembly has not been tampered.

Question: 3

Define Global Assembly Cache (GAC)?

The **global assembly cache** is a special directory set aside where strongly named assemblies can be stored and located by the CLR.

As part of resolving references at load time. The CLR automatically looks in the GAC for the requested assembly.

Question: 4

Which tool is used to install the shared assembly in to GAC?

The global assembly cache tool gacutil is used to install the shared assembly.

Question: 5

Define the Four policy levels in. NET Security?

.NET recognizes four policy levels. Enterprise, Machine, User, Application Domain.

Enterprise – Define security policy across all machines.

Machine – Define security for a single machine.

User – Define security policy for individual users.

Application Domain- Applied to code running in a specific app domain.

Question: 6

What is the use of manifest?

It describes what is in the assembly

Identification information (Name, Version)

Types and resources in the assembly.

List of modules.

Map to connect public types with the implementing code.

List of assemblies referenced by this assembly.

Question: 7

Define Metadata?

Metadata is information stored in the assembly that describes the types and methods of the assembly and provides other useful information about the assembly.

Question: 8

What is called PE Files?

It is same as normal windows PE file.

They are implemented as DLL or EXE files. DLL are collections of classes and methods that are linked together to run when they are needed.

Question: 9

What are strong names?

Strong names must be globally unique and use public key encryption.

It is a string of hexadecimal digits and it is not meant to be human readable.

Question: 10

Define permission set?

Permission Set is a collection class that groups permissions and contains methods to manipulate them.