horizontal scalability

1. An HTTP operation is based on ---------?

Ans: request-response schema.

**2.** ------- basically consists in making periodic check?

Ans :

**3.**when server takes initiative to send information to client rather than periodic check?

Ans : Polling.

**4.**Which organization defines Websocket?

**5.**Which of this opens a two way channel to client & Server?

Ans : WebSocket.

**6.**Which protocols is used by Chat room?

Ans :

**7.**Which technique Opens a permanent connection?

Ans : Forever Frame.

**8.**How many abstraction levels does OWIN gives?

Ans : 5.

**9.**Which one is the Low Level of Abstraction?

Ans : Persistent Connection.

**Q#11.** The second level of abstraction, based on components called hubs, is much further away from the underlying connections and protocols, offering a very imperative programming model similar to RPC p-40

**Q#12.** The OWIN standard distinguishes five main agents that make up the chain of responsibilities needed to process requests coming from a client. P-42

**Q#13.** Which is not an agents that make up the chain of responsibilities needed to process requests coming from a client? (other than Host, Server, Middleware, Web framework, Web application) P-42

**Q#14.** To use SignalR which minimum version of .net framework is mandatory? .net 4.5?

**Q#15.** **Katana** is an open source project created by Microsoft and distributed under the Apache 2.0 license, which contains a set of components that facilitate creating and executing web applications based on the OWIN specification. P-44

**Q#16.** There are four major areas of service changes you are likely to encounter while Versioning different types of contracts. P-244

**Q#17.** You are building a strong-named assembly and you want to reference a regular assembly to reuse some code you built. What should you do? P-428

A. You first need to put the assembly in the GAC.

B. Nothing. Referencing another assembly is always possible.

**C. You need to sign the other assembly before using it.**

D. You need to use the public key token of the other assembly to reference it.

**Q#18.** You are building an assembly that will be used by a couple of server applications. You

want to make the update process of this assembly as smooth as possible. Which steps

should you take? (Choose all that apply.) P-428

A. Run aspnet\_intern.

**B. Deploy the assembly to the GAC.**

C. Add an assemblyBinding section to each client application that points to the location of the assembly.

D. Strongly name the assembly.

**Q#19.** You need to deploy an application that requires some changes to the registry. Which

deployment strategy do you use? P-373

A. Copy the website.

B. FTP client.

**C. Web Deploy.**

D. A web farm.

**Q#20.** You are deploying a new cloud service with only a web role, and you want to make

sure that you get the maximum guaranteed uptime, even during upgrades. How many

instances do you need? p-383

A. 1

**B. 2**

C. 3

D. 4

**Q#21.** You are using the command line, and you want to see whether your deployment is

confgured correctly. What do you use?

A. postSync

B. preSync

C. verb

**D. whatif**

**Q#22.** You want to create and deploy a package from the command line. Which command do

you use? p-418

A. MSBuild “MyProjectName.csproj” /T:Package /P:Confguration=Release

B. MSBuild “MyProjectName.csproj” /T:Package

C. **MSBuild “MyProjectName.csproj” /T:Package /P:Confguration=Release;DeployOn**

**Build=True**

D. MSBuild “MyProjectName.csproj” /P:Confguration=Release;DeployOnBuild=True

**Q#23.** You want to package a custom package that uses the lib, content, and tool folders.

Which command do you use?

A. nuget pack MyProject.csproj

B. nuget spec MyAssembly.dll

**C. nuget pack package.nuspec**

D. nuget push package.nupkg

**Q#24.** You want to remove your debug element from the web.confg fle by using web.confg

transformations. Which syntax do you use? p-393

A. <compilation xdt:Transform=”Replace” />

B. <compilation xdt:Transform=”RemoveAttributes(debug)” xdt:Locator=”Condition(@

debug=’true’)” />

C. <compilation xdt:Transform=”RemoveAttributes(debug)”

xdt:Locator=”Match(name)” />

**D. <compilation xdt:Transform=”RemoveAttributes(debug)” />**

**Q#25.** You have an ASP.NET MVC Web API that processes new customer inquiries. The client applications are intended to be very focused in scope and centered on just a few

operations. A decision was just made that, for now, the API needs to simply allow data

collected from a Web Form to be submitted to a SQL Server database. Which of the

following is needed to allow form data to be submitted to the server? p-307

A. HttpGet

B. HttpHead

C. **HttpPost**

D. HttpPut

**Q#26.** You want to be able to communicate directly from your web role to your worker role,

and you want to make sure that your worker role stays secure by disallowing public

access. What do you do? p-383

A. Add an InputEndpoint to the web role in your ServiceConfguration.cscfg fle.

B. Add an InputEndpoint to your worker role in your ServiceConfguration.cscfg fle.

C. Add an InternalEndPoint to the web role in your ServiceConfguration.cscfg fle.

**D. Add an InternalEndPoint to your worker role in your ServiceConfguration.cscfg fle.**

**Q#27.** You want to follow the recommended best practices for configuring your Windows

Azure Guest OS. Which values do you use? (Choose all that apply.) p-383

A. osFamily=”3”

B. osFamily=”1”

**C. osVersion=”\*”**

D. osVersion=”WA-GUEST-OS-2.12\_201208-02

**Q#28.** Which one is content file?

A. **scripts.js**

B. Config

c. csaspx

D. dil

**Q#29.** You are using parameters for your Web Deploy. You want to automate the creation of

the SetParameters file and make sure that it has the correct values. What do you use? p-393

A. XmlPoke with MSDeploy.

B. MSDeploy with the setParamFile attribute.

**C. XmlPoke with MSBuild.**

D. This is not possible. You need to edit the SetParameters file manually.

**Q#30.** Your service needs to support real-time communication between client and service.

Which is true? p-263

A. Streaming should be enabled.

B. **A Binding that supports duplexing must be implemented.**

C. A stateless protocol can be supported but the client must implement threading.

D. Duplexing and streaming must be implemented together.

**Q#31.** You are developing a new WCF Service. Each time a client initiates a request, you need

to create a service instance to support it. What should you do? P-273

A. Set the InstanceContextMode to Singleton.

B. Set the ConcurrencyMode to PerCall.

**C. Set the InstanceContextMode to PerCall.**

D. Set the ConcurrencyMode’s scope to User and set the InstanceContextMode to

PerCall

**Q#32.** You are building a Web API to be used by third-party websites, and you want to reach

as many users as possible. You want to protect your service from XSRF attacks. Which

requirement do you state for your third parties? P-337

A. Force them to use ASP.NET MVC so you can easily authenticate requests.

B. **Require them to include both a cookie and a form value with a unique token.**

C. Use the ValidateAntiForgeryToken attribute on your Web API service.

D. Use Windows Authentication.

**Q#33.** You want to enable HTTPS for your Web API, and you want to make sure that none of

the developers forgets about this requirement. How do you do this? p-337

A. Create a custom ApiController base class from which all developers need to inherit.

B. Create an HttpsRequiredAttribute and add it to each controller.

C. **Create an HttpsRequiredAttribute and add it to the global collection of attributes.**

D. Use MakeCert.exe to create an HTTPS certifcate

**Q#34.** You want to extend the default authentication mechanism of Web API. You want to

have an attribute that you can place on a couple of action methods to log nonauthenticated requests. What do you do? P-337

A. Inherit from IAuthorizationFilter to implement the custom logic.

B. **Inherit from AuthorizeAttribute to implement the custom logic.**

C. Inherit from AuthorizeFilterAttribute to implement the custom logic.

D. Create an HttpMessageHandler that you attach to specifc routes.

**Q#35.** You are changing the hosting of your Web API to use a Windows Service. Originally,

the confguration was automatically generated by the Visual Studio template. What do

you need to do to make this work? P-345

A. Nothing; the existing confguration will work.

B. Copy the existing confguration to a new class in the host project.

C. Add a new class of type HttpSelfHostConfguration. Use the Initialize method to

call the MapHttpRoute method.

D. **Add a new class of type HttpSelfHostConfguration. Use the Routes property to call**

**the MapHttpRoute method.**

**Q#36.** You are working for a large company that has a lot of maintenance engineers on the

road. You are going to develop an app to support their work remotely with publicly

available data. You are looking at your deployment options. You know the app will be

used during offce times. Throughout the day, you will have fve thousand users of your

service. What deployment option do you choose? P-346

A. You buy extra servers for your on-premise data center.

B. You use Azure Cloud Services to host your Web API as a Web Role.

C. **You use Azure websites.**

D. You deploy Azure Virtual Machines to host your Web API.

**Q#37.** The HttpClient class you have implemented frequently receives error codes, but the

application is not responding to them. What should you do? p-352

A. Trap the OnError event of the request.

B. Set the EnsureSuccessStatusCode property to true and implement an exception

handler in the OnError event.

C. **Call the EnsureSuccessStatusCode method and trap the HttpRequestException**

**exception.**

D. Check the ResultStatusCode property and throw an exception if one of the error

values is present.

**Q#38.** You have multiple HttpClient calls that can run independently of each other. You want

to execute them as fast as possible. What should you do? p-352

A. Use the Result property of each HttpClient call to get the result as fast as possible.

B. Use async/await to make sure that the calls run asynchronously.

C. **Use Task.WaitAll to execute the tasks in parallel.**

D. You can’t execute asynchronous tasks in parallel.

**Q#39.** By default, you have a maximum of five update domains. P-375

**Q#40.** You can control how many upgrade domains you have by using the upgradeDomainCount attribute in your ServiceDefnition confguration fle. P-375

**Q#41.** You can have a maximum of 20 upgrade domains. P-375

**Q#42.** The XCopy DOS command has the following syntax: xcopy /I /S /E <source path> <destination path>

**Q#43.** Windows Azure offers you three ways to update your application:

■■ Delete and redeploy

■■ In-place update

■■ VIP Swap

**Q#44.** You want to use a SharedSecretToken for authentication. Which method and parameters do you use? p-255

A. TokenProvider.CreateSharedSecretTokenProvider(namespace, key)

B. TokenProvider.CreateSamlTokenProvider(samltoken)

C. **TokenProvider.CreateSharedSecretTokenProvider(owner, key)**

D. TokenProvider.CreateWindowsTokenProvider(uris)

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Q####. XCOPY is a DOS command that stands for extended copy.|||363  **(Is this was in question?)**