

DCGI

DEPARTMENT OF COMPUTER GRAPHICS AND INTERACTION

WA2

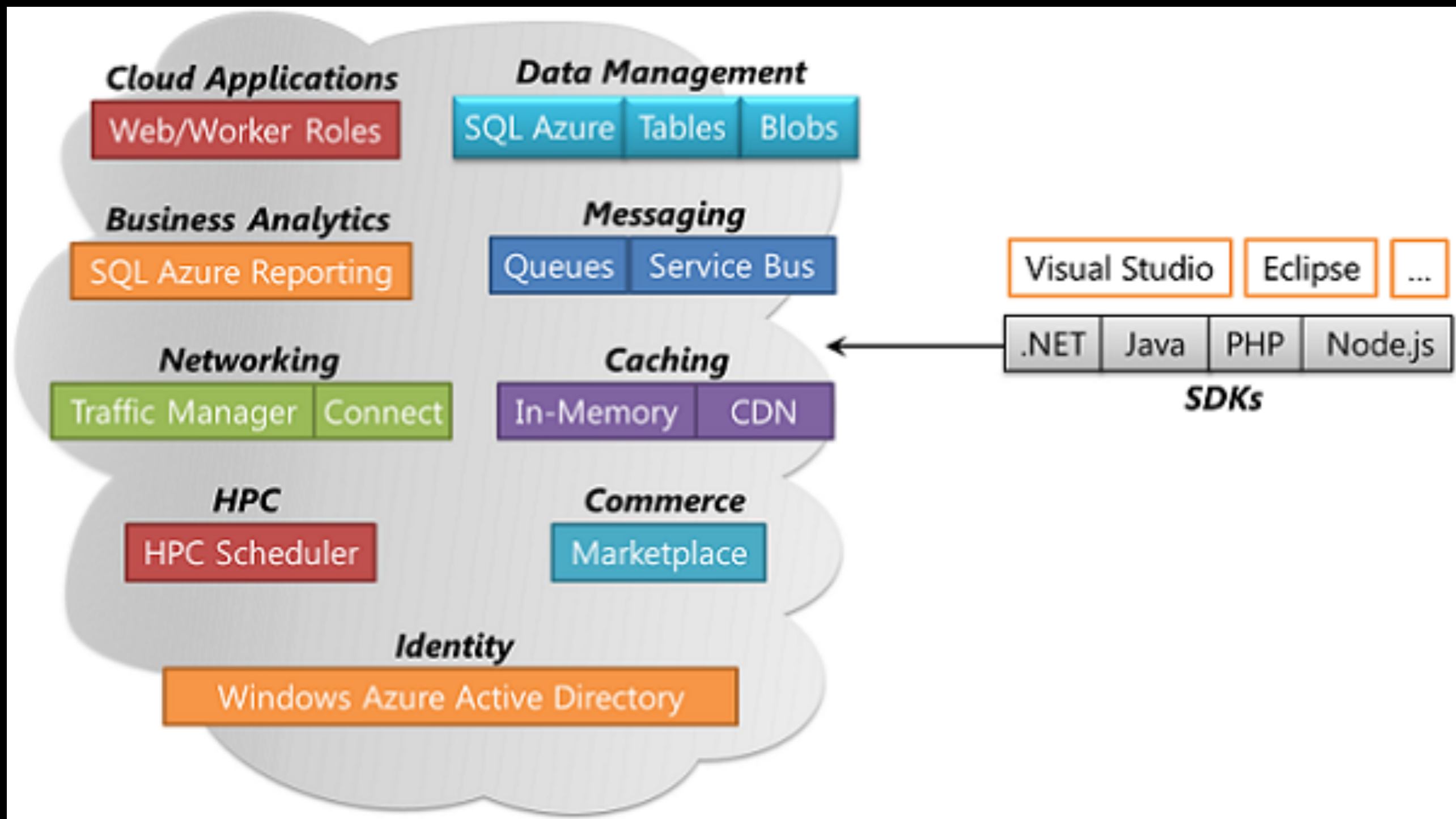
Cvičení 7

ASP.NET, MVC3, Windows Azure

ASP .NET

- Current MS solution for Dynamic Web
- Based on CLR -> Any .NET Language
- Web pages called Web Forms
- ASP.NET MVC Framework

Windows Azure

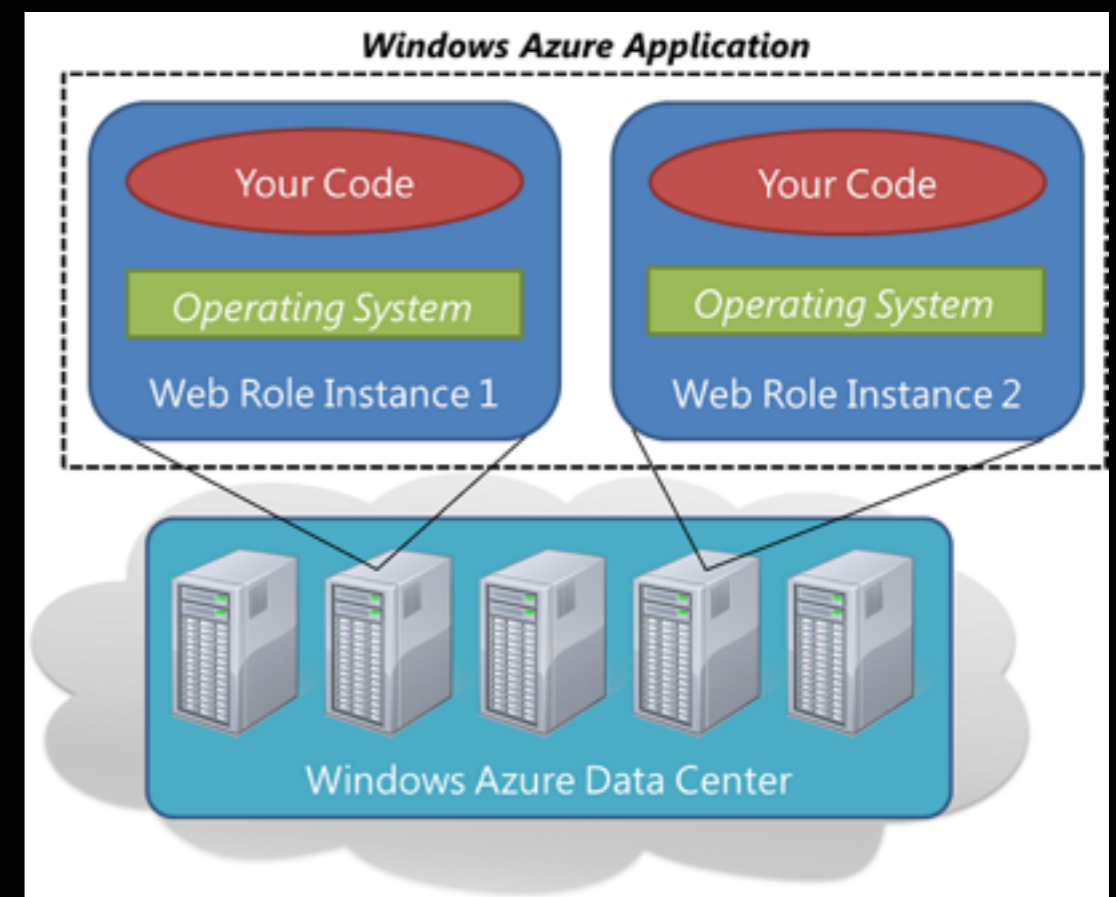


WA - Cloud Applications

- ~ Server apps running on Windows Server 2008
- specific API
- one or more **roles**
 - web roles
 - worker roles
- Windows Azure - PaaS

WA - Cloud Applications Roles

- web role
 - ASP.NET, PHP, ...
- worker role
 - e.g. TSP, media conversion, ...
- role instance
 - VM running on WServer in MS Datacenter



Task 1

- Subscribe to Azure guaranteed zero cost account
- <http://blogs.msdn.com/b/vyvojari/archive/2011/12/16/ucet-na-windows-azure-nyni-zcela-bez-finanancniho-rizika-a-zdarma.aspx>

Task 2/1

ASP.NET MVC 3 Application

1. Create new project ASP.NET MVC3 project
2. Use appropriate template
3. Test application locally
4. Study application (role) structure. Identify parts of MVC.
5. Open Site.Master view, add item called „Submit message“ into menu.
6. Extend corresponding controller (Home) and add a new view (Insertion).

Task 2/2

ASP.NET MVC 3 Application

7. Add new model MessageModel
8. Add controller Insertion for storing message board message.
9. Implement simple static class SimpleStorage to provide data container for messages.
10. Provide Index view with messages model (from corresponding controller).
11. Output content of MessagesModel in Index view.

Task 3/1

1. Add new Windows Azure Project
2. Don't add any roles
3. Add MVCApplication1 role to Azure project roles
4. Configure the web role
 - Instance count = 2
 - VM size = extra small
5. Test application locally (if possible)

Task 3

Cloud deployment

- I. Start deployment (publish)
- II. Choose your subscription → manage → new
- III. Create new certificate, enter a friendly name
- IV. Copy full path of the certificate to clipboard
- V. Go to windows azure portal → management certificate
- VI. Right click on your subscription → Add certificate → browse
- VII. Copy path to address bar → select certificate → click ok
- VIII. Copy Subscription Id from Windows Azure Management Portal
- IX. Go back to Visual Studio and paste the Subscription Id
- X. Choose your new subscription → Next
- XI. Leave settings as it is → Next → Publish

Task 3/3

1. Wait until the role is deployed and runtime environment started
2. Test deployment online
3. What is the problem?