**ITC 250/CPET 499 Web Systems**

**Lecture 5**

**Topics of Discussion**

1. **Networking Services for Web System Deployment**
2. **Web Hosting Solutions**
3. **IT Service Solutions**
4. **Data Centers**
5. **Cloud-based Network Services**
6. **Network Services for Web System Deployment**

* Enterprise Application
* Mobile Users Access
* E-Commerce Application
* E-Business Application

**Networking Services**

* On-Demand Networking Services (Internet Connectivity, Network, VPN, Ethernet, WiFi)
  + AT&T Network Service on Demand, 1:47 min, <http://www.business.att.com/enterprise/Portfolio/network-services/?source=EENT042114500139N#fbid=1ls-Idj3sqW>
  + AT&T Move Beyond Your LAN and Ethernet Services, Video, 3:08 min, [http://www.business.att.com/enterprise/Family/network-services/ethernet/?&WT.srch=1&source=EENT49lb]MECqmg8qrzv&wtpdsrchprg=Enterprise%20-%20Ethernet&wtpdsrchgp=ABS\_SEARCH&wtPaidSearchTerm=on%20demand%20networking&wtpdsrchpcmt=on%20demand%20networking#fbid=1ls-Idj3sqW](http://www.business.att.com/enterprise/Family/network-services/ethernet/?&WT.srch=1&source=EENT49lb%5dMECqmg8qrzv&wtpdsrchprg=Enterprise%20-%20Ethernet&wtpdsrchgp=ABS_SEARCH&wtPaidSearchTerm=on%20demand%20networking&wtpdsrchpcmt=on%20demand%20networking#fbid=1ls-Idj3sqW)
  + Comcast Business Ethernet, <http://business.comcast.com/ethernet/products#2>
    - Static IP, <http://business.comcast.com/internet/business-internet/static-ip>
    - Dedicated Internet
    - Virtual Private Line
    - Network Services
    - Ethernet as Home
    - Industry Solutions

1. **Web Hosting Solutions**

* Storage (MB, GB), Data Transfer, Site Builder, Site Promotion, Newsletter Broadcast, Web analytics, Instant Business Broadcast, Siteblog/BizBlog, FTP access, FrontPage SSL, CGI support, PHP, Ecommerce Merchant Shopping Cart, E-Commerce, Trust Dedicated SSL Certificate
* Top 10 Best Web Hosting List 2016, <http://www.webhostingbest10.com/>
  1. eHost.com ($2.75), <https://www.ehost.com/>
  2. HostClear ($2.99), <https://www.hostclear.com/>
  3. iPage ($1.99), <http://www.ipage.com/ipage/index.html?source=ELI&PPCPN>=
  4. ideaHost ($2.99), <https://www.ideahost.com/>
  5. SiteBuilder (free), <https://www.sitebuilder.com/>
  6. Bluehost ($3.95), <http://www.bluehost.com/>
  7. HostGator ($3.95), <http://www.hostgator.com/>
  8. JustHost ($3.95), <http://www.justhost.com/>
  9. WebSiteBuilder (Free), <https://www.websitebuilder.com/>
  10. CloudHosted ($5.95), <https://www.cloudhosted.com/>
* Indiana Data Center, <http://www.inddc.com/>
  + Hosted solutions, Domain Services, Internet & Connectivity
* Comcast, <http://business.comcast.com/internet/business-internet/web-hosting>

1. **IT Service Solutions**

* Fort Wayne IT Solutions, <http://www.fortwayneits.com/services.html>

1. **Datacenters, Locations & Videos**

* Indiana Data Center, Fort Wayne, <http://www.inddc.com/>
* Microsoft Datacenters (Video), <http://www.microsoft.com/en-us/server-cloud/cloud-os/global-datacenters.aspx>: Chicago Datacenter
* Windows Azure Datacenter Locations, <https://www.google.com/maps/d/viewer?mid=zM2uqako3ipc.kqOGsydsQSSA&hl=en_US>
* Datacenter Knowledge, <http://www.datacenterknowledge.com/archives/2015/06/03/first-two-microsoft-data-centers-coming-to-canada-in-2016/>
* Uber (San Francisco-based), has bought a Microsoft datacenter and other assets that support mapping image collection operation for Bing, <http://www.datacenterknowledge.com/archives/2015/06/30/uber-buys-microsoft-data-center-map-imaging-operation/>

1. **Cloud-based Network Services**

* Infrastructure as a Service, IaaS
* CISCO Cloud Solutions, <http://www.cisco.com/web/solutions/trends/cloud/index.html>
  + High Performance on Low Budget, Video, 2:22 minutes
* CISCO, <http://www.cisco.com/>
  + Apple + CISCO
  + Intercloud Fabric
  + 10 Gb Aggregation Switching
  + Deploy and Innovate with IoT