NCAR NCAB
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Net+ Overview
“Cloud Computing Market Will Top $241 Billion in 2020”
Forester Research 2012 “Sizing the Cloud”

The Internet2 Net+ Approach

Coordinate existing Internet2 beyond & network initiatives

- Develop a technical and business model for above-the-network services
- Leverage the network, middleware initiatives and federated authentication within a unified services organization

Develop new programs with third-party vendors exploring:

- Alternative specifications
- Interoperability requirements
- Service level definitions
- Business services and pricing models
NET+ Service Development

Research Evaluation
- Internet2, service provider, and university studies an offering to determine whether suited for a NET+ service

Service Validation
- Sponsor and group of universities work with service provider and Internet2 to define the NET+ service

Early Adopter
- Universities begin using the NET+ service and continue working with Internet2 and service provider to develop it further

General Availability
- NET+ service open to eligible universities and quarterly Advisory Board meetings continue informing roadmap
# Internet2 NET+ Services: Fall 2012

## Research & Evaluation
- Microsoft - Big Data Genomics
- Microsoft – Big Data “Long Tail”
- HP – High Performance Cluster
- eText 1: Courseload/McGraw-Hill
- eText 2: CourseSmart/Pearson
- eText 3: Inkling/ Cengage
- eText 4: Kno/Wiley
- CenturyLink-Savvis (Linux Servers) **

## Service Validation
- Crashplan – (Remote Backup)
- Dell – (Virtual Desktop)
- Pearson eText (Volume Discount)
- SHI – (Linux Servers)
- Splunk – (Big Data Analytics Software)

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**RED:** NEW Open for Sponsor / SV campuses  
**GREEN:** NEW- Team in place.  
**BLACK:** Open for Sponsor/ SV Campus
# Internet2 NET+ Services: Fall 2012

<table>
<thead>
<tr>
<th>Early Adopter</th>
<th>General Availability</th>
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<tbody>
<tr>
<td>• Amazon AWS (Cenic)</td>
<td>• Box (File Collaboration)</td>
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<tr>
<td>• Aastra (Voice over IP Phone)</td>
<td>• Comodo (Web/Personal Certificates)</td>
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<td>• Desire2Learn (Lecture Capture)</td>
<td>• Adobe (Connect)</td>
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<td>• Evogh (Desktop Video Conference)</td>
<td>• DuraSpace (Research File Storage)</td>
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<td>• Instructure (Canvas LMS)</td>
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<td>• Solution Design Group</td>
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<td>• Merit Maillist (Email List Manager)</td>
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<td>• Duo (Two Factor Authentication)</td>
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<td>• SafeNet (Two Factor Authentication)</td>
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</table>

RED: NEW Open for Sponsor / SV campuses  GREEN:  NEW- Team in place.  BLACK: Open for participation
Essential Tool for the New Normal

- Achieve more...
- Serve our mission...
- Favorable economics (over time)...
- Align institution to external environment...
What Is Internet2 NET+?

**Providers**
- Support InCommon
- Move traffic to R&E networks
- Common contract terms
- Move to Site Licenses
- Higher Education Roadmaps
- Coordinate Security Standards
- Reduce Sales Costs
- Tier Two & Three Support

**Higher Education**
- Common identity and network
- Invest in R&E networks
- Common Contract Terms
- Move to Site Licenses
- Coordinate Feature Requests
- Coordinate Security Standards
- Speed procurement process
- Tier One Support
• Enabling users to securely store and share content via multiple devices and applications

• GENERAL AVAILABILITY of DESIGNED SERVICE

• Interest from almost 200 schools!

• Savings over 90% from commercial rates and customized for higher education.
Partnering with a Regional Network

- Providing streamlined access to Amazon AWS Services
- Will be available for EARLY ADOPTERS in Summer 2012
- Discount to Internet2 member schools and connector members
- Sponsored by a Regional Network
• **Savvis cloud services tuned for higher ed**

• SERVICE VALIDATION to explore use cases with emphasis on administrative applications; may include HPC

• Leveraging the network, integrating InCommon, eliminating I/O charges.

• Interest from Florida State and University of New Mexico; in discussion with others
• Partnership with EDUCAUSE to evaluate Courseload eReader and McGrawHill eTexts under a new pricing model

• 50 university Proof-of-Concept underway for Fall Semester 2012 (might be possible to still get in)

• Sign up at $20K level for up to 800 students; $35K level for up to 1600 students.

• More info: etext-pilot@internet2.edu
SeeVogh multi-point video collaboration over the Internet2 network with InCommon identity

Will be available for Early Adopters Summer 2012

UMBC sponsoring; other schools already using include CalTech, RIT, Tulane

Developed by higher education institution
Lecture Capture via the Cloud

- D2L Capture as a service over the Internet2 network with InCommon identity
- Other services may be available in the future (LMS)
- Will be available for EARLY ADOPTERS Summer 2012
- Tulane is sponsor
- Improved service terms and pricing
RevenueVision and CapitalVision as a service over the Internet2 network with InCommon identity.

Will be available for EARLY ADOPTERS Summer 2012

UMBC is sponsor; GMU, Florida A&M, Univ of West Florida

Administrative solutions designed offering.
SIP Services

Hosted PBX and SIP Trunking

- Aastra to host a Broadsoft platform dedicated to R&E
- Level 3 to provide SIP trunking with local and LD options
- Available for SERVICE VALIDATION PHASE July 2012
- Tulane and Texas A&M sponsor
- Finalizing a la carte menu options to meet university requests
- Early adopters will work on transition plan with live service in fall semester

Special Offering Terms
Available to Internet2 community
Providing a New Level of Security

- Another service within the InCommon family
- Two-factor authentication service integrated with InCommon identity
- Site-license based on size of institution (significant cost savings)
- Univ of Maryland – Baltimore County is sponsor
- Will be available for SERVICE VALIDATION after deployment to InCommon Administrators
Providing Collaboration Services

- Adobe Connect service for a fixed monthly fee, purchased through Internet2
- I2 NET+Adobe Connect operated as a separate service by Adobe; existing hosted and on-premise accounts can be transferred
- Leverages Internet2 network, using InCommon
- Starting with SERVICE VALIDATION for business case, moving quickly to EARLY ADOPTERS
- Case Western Reserve University is sponsor; 38 others using including UVa, CMU, GMU, & Cornell

Special Offering Terms
Available to Internet2 community
INNOVATION, TRANSFORMATION, COMMUNITY

Randy Brogle
Internet2

Thank you. For more information, visit http://www.internet2.edu/netplus or e-mail netplus@internet2.edu