Announcing the public beta

- System is ready to let people in to look around
- Daily data imports starting 4/9
- Data is imported daily as it exists in NetDB, subject to export rules
- Changes made in NetDB will be reflected in the following day's import
- Daily imports will overwrite any changes in Infoblox; play with impunity
- 6 weeks for enrollment, review and NetDB adjustments
- More information at http://www.td.rutgers.edu/hostmaster
Sunrise timeline

• NetDB data modeling and import ( through 3/30/2012 )
• Customer enrollment and data review ( 4/2 – 5/18/2012 )
• Formal enrollment announcement and interface demonstration ( OIT-TECH: 4/4/2012 )
• Customer training workshops ( 4/16, 4/18, 4/24, 4/26, 2012 )
• NetDB MX record update and review ( 4/16 – 4/27/2012 )
• Infoblox MX record retirement ( 4/30/2012 )
• Customer data review period ends ( 5/18/2012 )
• NetDB change freeze and customer data commit ( 5/21 – 5/28/2012)
• Infoblox system production date ( 5/29/2012 )
• DNS server IP address retirement ( 6/27 – 6/29/2012 )
Architectural changes

• Closure of the RUTGERS.EDU domain
• Sub-domain based support model
• Explicit DNS views
• New DNS Resolver Server IP addresses
• Conversion of NetDB NCGs to Infoblox Administrative Groups
• Selective MX record retirement
• WHO.RUTGERS.EDU domain/RP record retirement
• TXT record retirement
• No preservation of DNS case
• Customer Manageable Extensible Attributes
• Bulk Host records (Macro host names)
• CSV imports/exports
Enrollment

• TD is not importing people data from NetDB
• Customers must enroll in the new service
• Enrollment activities include:
  - Define the layout for Department Administrative Groups
  - Define the Department’s sub-domains
  - Request enrollment
  - Await confirmation
  - Verify IP network resources
  - Verify DNS host name resources
  - Transition DNS host names to sub-domains
MX Records

• Bring use of MX records into line with current practice
• Sub-domains make canonical MX use feasible
• Must retire defunct MX records
• White list process validates active MTAs among population of MX record handlers in NetDB
  - Only MX records with handlers on white list will be exported from NetDB
  - MX white list is available upon request
• MX Preference 7 process validates DNS host name labels
  - Process identifies MX host names with a single MX handler at priority 0 and changes the value to 7
  - UCMs should review our selections in either NetDB or Infoblox (or using other DNS tools)
  - MX records with priority of 7 will be dropped form imports after 4/23
NS Records

- Mostly affects Active Directory users with delegated sub-domains
- Infoblox cannot import NS records without a valid host name and IP address
- A large number of delegated domains have invalid NS records
- Please review your NS records for currency and accuracy
- TD will make a list of invalid NS records available upon request
Transition week

• Week of May 21, 2012
• NetDB locked to user changes starting on Monday, May 21
  – DNS changes and new IP network allocations frozen in NetDB
  – Final IP allocation requests due to NOC by COB Wednesday, May 16
• May 21 import of NetDB data becomes permanent data
• Enrolled customers may make final adjustments to Infoblox data through Tuesday, May 29
• NSS DNS servers will be reconfigured as caching resolvers against the Infoblox DNS server on Tuesday, May 29
Sunset timeline

• NSS server IP addresses will be retired at the end of June 2012.
• Customers must reconfigure DNS clients to use the new Infoblox addresses prior to Friday, June 29 2012