



Day 1: *Understanding the Process and the Tools available*

9:00AM

Module One - Understanding Infoblox Desig

Topic:

- Best Practice DNS Design
- Best Practice DHCP design
- Understanding Infoblox Architecture
- High Availability versus DHCP Failover
- Understanding and identifying Design Flaws before deployment

Slides:

- Internal DNS Design Best Practice Diagram
- External DNS Design Best Practice Diagram
- Cricket Poster (Ties them together)
- HA vs DHCP FailOver
- DDNS options
- DB vs Protocol Engine - How axfr is affected, External Secondaries for Dynamic zones
- What functions to avoid combining

Lab - Given SOW Diagrams - Design a new architecture given the boxes sold
One Diagram where box count is ok, but services should be remapped

One that needs to be pushed back to sales

10:00 AM

Module Two - The IB PS Process/Lifecycle Overview

Topic:

- SOW review and approval
- Pre-call information gathering
- Getting the Data
- Data Validation - Importance of a lab
- Grid Configuration, Security
- Data Migration
- Cutover Planning - strategies / considerations
- Cutover Execution
- Data Validation
- Troubleshooting

Slides:

- Bullets with 'must haves' in a SOW
- Infoblox SOW Template
- Pre-call checklist
 - first impression with customer = prep for it
 - logistics are important!
- Data Validation: What we are looking for (Data is complete, importable...)
- Grid Security - Single talking point slide of checklist
- Migration - Visual slides showing the process with DIW. Both with Data and via axfr
- Cutover
 - Flow Diagram - DHCP First
 - Flow Diagram DNS First
- Data Validation - Break it down; key server subnets, dynamic updates, leases...
- Troubleshooting: Demo with GUI, and finding missing records- adding them back

Lab - Conduct a precall from a new SOW



11:15 AM

Module Three - Tools of the Trade

Topic:

What you get from customer
Data Import Wizard - Demo (canned? Webinar?)
Discuss- Knowing limitations
Other tools - Dig, grep, spreadsheets/csv - Slide and Demo
PERL - Overview of whats available - script pack, API Guide and samples, ibcli

Slides:

Screenshot of DIW
List of Tools - Dig, grep, spreadsheets/csv (in action solving a problem)
Perl Options and instructions to get them

Handouts:

Limitations checklist

Lab - Browse the files in DIW and identify issues (custom options, bad fixed addresses, basic issues), propose a way to fix the files in order to use DIW to capture all the data. Execute it.

LUNCH 12:30-1:15

1:15 PM

Module Four - Data Gathering and Analysis

Topic:

Acquiring customer data
Reading the files with DIW
Summary Script usage - Demo only
Analyzing Data provided versus Design proposed
How to deal with discovered issues
Test import process

Slides:

Giant "GET THE DATA" slide
Screenshot of DIW Browse mode
List of reasons why you need to understand accuracy before
How to look at what they have versus what you are tasked to build
The repetitive process, how to test with real world cutovers in mind

Lab: Given data, analyze it and document issues discovered, write a plan to resolve

2:45 PM

Module Five - Importing Data in a lab environment

Topic:

Reasoning and purpose
Strategies and methodology
Data cleanup as part of the import process
Dealing with DDNS
Data verification in the Lab

Slides:

List of Reasons why we do this
Strategies/Methodology - Repetition,, Identifying issues, streamlining
Single talking point slide - Why we almost always insist on Lab time
Data cleanup as part of the import process
Why garbage out garbage in helps noone
DDNS Options and explanation

- Lab - This will be the rest of the day, full datasets will be migrated and verified



Day 2: Putting it all together – Day 2 will be an entire interactive

Certification Lab

Morning Labs - Students provided SOW (Microsoft cutover DNS/DHCP - NO Active Directory Support included)

- Lab - Conduct a Precall
- Lab - Write a design analysis and propose any needed changes
- Lab - Request customer data
- Lab - Data Validation - request additional data, summarize

Lunch

Afternoon Labs - Putting the rubber to the Road

- Lab - Execute a data migration
- Lab - Verify Data and resolve any issues
- Lab - Document a Cutover plan
- Lab - Execute Cutover
- Lab - Troubleshoot and resolve any issues
- Review results with Instructor and discuss any issues

Certification Process

The certification process of this course will be notably more difficult than other Courses in the Infoblox Training portfolio as this certification identifies persons able to execute customer facing cutovers and as such must only approve those truly capable of providing services in a way that provides a good impression of both Infoblox and the Engineers Reseller.

Course Sign off-

Day Two Labs will determine if students are eligible to move on to the written exam to be housed on exam builder or if they need to complete additional migrations in an online lab as described below

Additional Online Migration Labs-

An online Lab will be designed by DeepDive Networking but implemented by Infoblox where a correct migration can be tested by automated scripts that given the provided initial data set, can quantify the success of the cutover based on any service outages caused and data accuracy after the migration.

Written Examination:

A written exam will be the culmination of the certification showing that the Student has the knowledge required to successfully execute all aspects of a basic Infoblox Migration and Cutover.