Remote Legacy Application Deployment Readiness Activity – RLADRA

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RLADRA – Goals and Objectives

- Goals
  - On-time Schedules
  - Improve Quality
  - Reduce costs
- Objectives
  - Reduce costs of legacy application testing
  - Improve the consistency of the application packages
  - Improve scheduling capabilities
  - Better utilization of existing capabilities

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RLADRA – Approach

- Reduce the size of the RLADRA team to one base lead and one technical lead
- Perform LADRA testing from a centralized test facility – Norfolk and San Diego
- Create a centralized archive for all legacy source media and scripts

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RLADRA - Benefits

- Increased flexibility in test schedule
- Improved skills utilization at the centralized facility
- Better access to application packages within a central repository
- Higher level of consistency and quality for packages and deployment processes

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RLADRA - Actions

- Establish centralized archive for application packaging
- Supplement Applications Lab with 2 FTEs for Radia Publishing
- Conducted Pilot test
  - Used Naval Station Norfolk as Central Test Lab
    - Facility in place with few modifications
    - Strong local concentration of LADRA Team
  - Pilot testing was successfully completed for the following sites
    - Kings Bay – 36 Applications
    - Keesler / Gulfport – 115 Applications

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RLADRA - Actions

- Obtain Navy and USMC approval for classified
- Establish permanent facility to support RLADRA expansion upon completion of pilot for East Coast in Norfolk
- Establish permanent facility to support RLADRA for West Coast in San Diego

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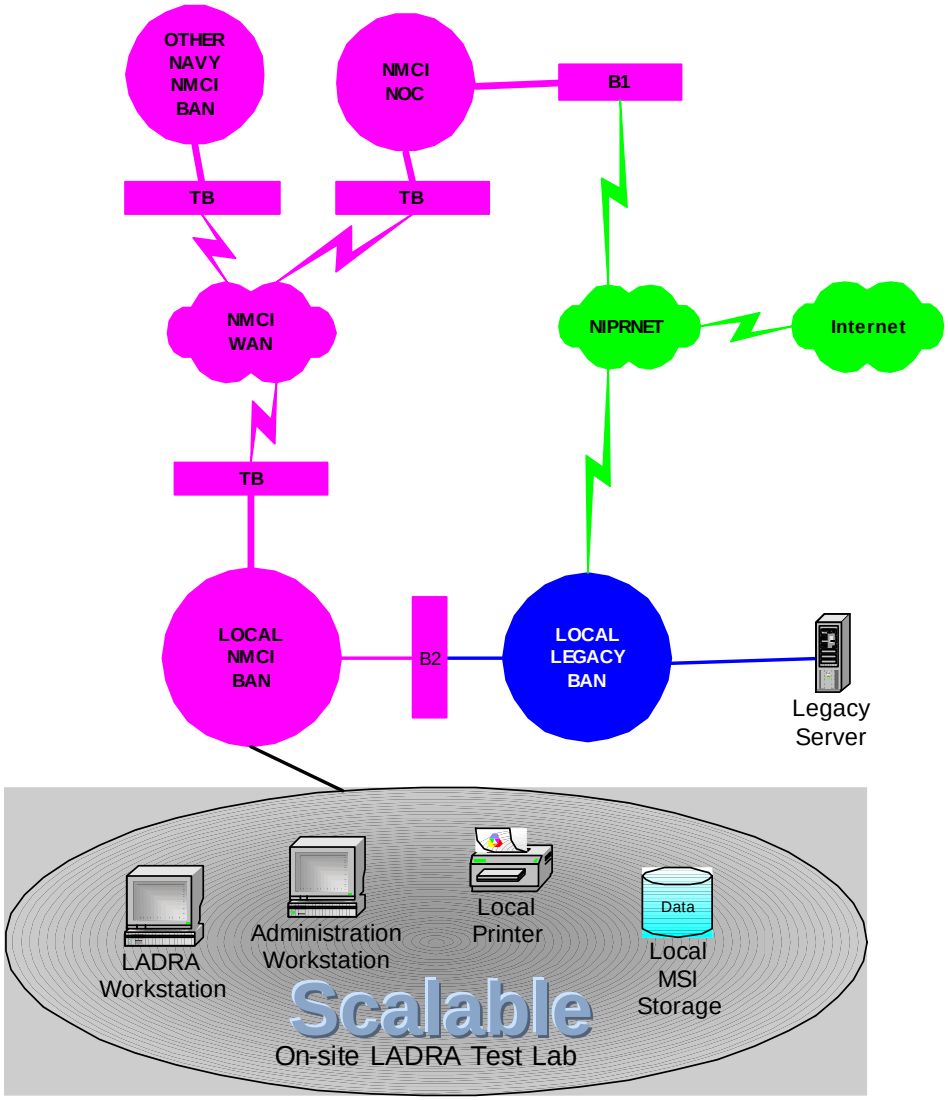
LADRA – Current Architecture



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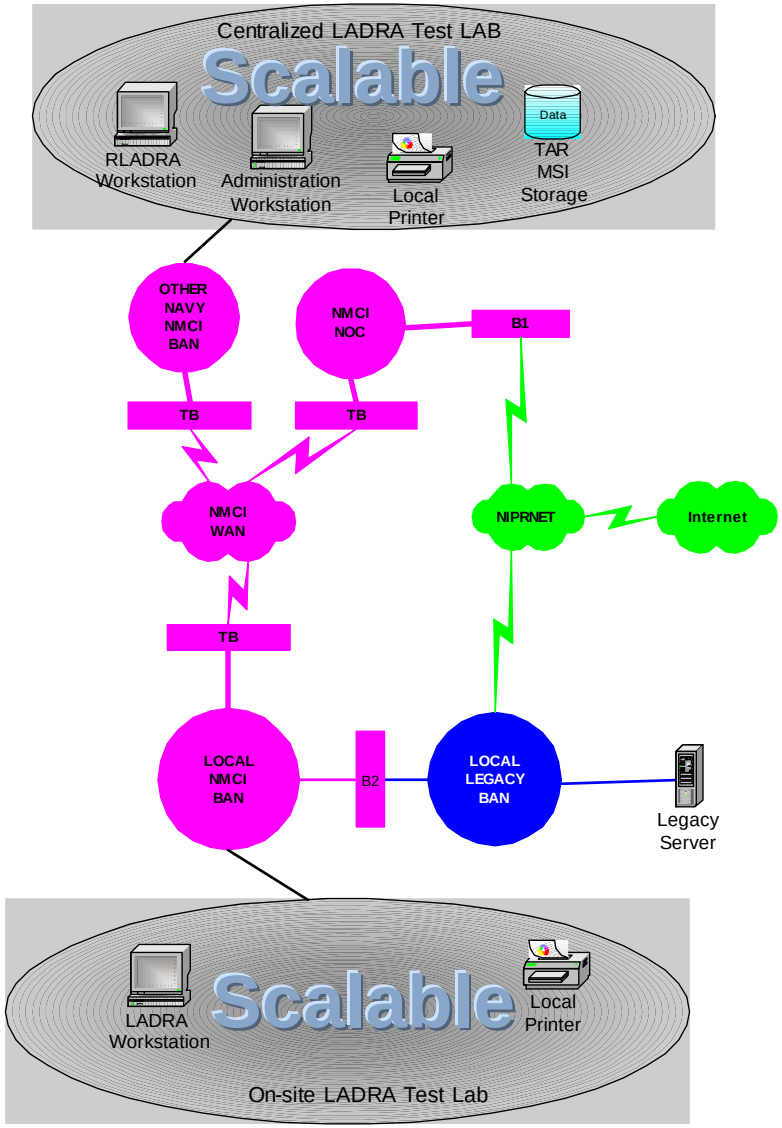
RLADRA Proposed Architecture



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RLADRA – Comparisons

	Location of Task Being Performed – Task Owner	
	Standard LADRA	*Remote LADRA*
SME Scheduling	Local Site - Govt	Local Site - Govt
SME Testing	Local Site - Govt	Local Site - Govt
Media Collection	Local Site - Govt	Local Site - Govt
MSI Packaging	Local Site - LADRA	Centralized LADRA Test Lab - LADRA
MSI Storage	Local Site - LADRA	Centralized LADRA Test Lab - LADRA
Eitherpeek Traces	Local Site - LADRA	Centralized LADRA Test Lab - LADRA
Recording LADRA Test Results	Local Site - LADRA	Centralized LADRA Test Lab - LADRA
MSI to Radia Conversion	San Diego Applications Lab	San Diego Applications Lab
Migration of Radia Packages to Radia Server – Tier 0	San Diego Applications Lab	San Diego Applications Lab

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RLADRA – What can be accomplished remotely?

- Pre LADRA and workbook screening
- Media requirements and identification of Advanced (.MSI) and standard Radia Packages
- Verification of network and B2 boundary connectivity
- Verification of Trust relationships
- Identification of on-site requirements for LADRA
- Working with Site Transition to provide assets for LADRA (workstations, printers, CD duplicators, etc.)

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RLADRA – What can be accomplished remotely? (cont'd)

- Working with WAMNET! to ensure the LADRA lab's network connection requirements are met
- Identifying requirements for local share storage and creation of shares to be used by LADRA and staging
- Ensuring that the site's Active Directory OU, workstations and user accounts are created
- Coordinate with the Site Legacy Application Lead (LAPOC) concerning local command issues
- Prepare advanced team members with the necessary tools and procedures to stand-up the LADRA lab

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RLADRA – Next Steps

- Set up schedule for East Coast and West Coast LADRA Test Labs by reviewing tactical plan
- Allocation of supporting resources

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RLADRA Organization

- There are three main entities of RLADRA:
  - The RLADRA Central Testing Labs
  - The on-site testing facility
  - The Applications Lab
- The main difference between RLADRA and LADRA is that the applications to be tested will be loaded in a Central Testing Lab. Instead of deploying test engineers to every site, the majority of resources will remain in the Central Testing Lab to conduct testing.
- The goal is to have only one traveling engineer going to an on-site testing facility. Customer SMEs will come to the on-site testing facility and connect via NetMeeting to the machine in the RLADRA Central Testing Lab. The SME can test their application with results documented at the Central Testing Lab.
- The Applications Lab will provide a faster turn-around for publishing Radia instances from packages that are created in the RLADRA Central Testing Labs.

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RLADRA Central Testing Lab Resources

- SSE Lead
  - Oversees the Central Testing Lab activities. Works closely with the PDM and the pre-RLADRA leads to plan the site schedules. Responsible for the Weekly Status Reports. Works with technical lead and engineers to find ways to streamline testing.
- Technical Lead
  - Oversees the test engineers for the sites and provides needed troubleshooting skills for packaging and testing.
- One lead technical test engineer for each remote site
  - Conducts most of the tests for that site. Responsible for ISF tool updates. Sends out weekly “Ready for Test” and “Need Additional Information” lists to the customer.
- One additional technical test engineer
  - Provides back-up or back-fill as required for the lead technical test engineer.
- Two packagers
  - Responsible for all media that is shipped to the Applications Lab from sites and the Central Testing Labs. Catalogs and packages each application, and provides it the test engineers for testing.

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On-site Testing Facility

- Two NMCI seats with NMCI connectivity for application testing
- One Admin NMCI seat for the on-site RLADRA traveling team member
- One phone line with speakerphone to converse with RLADRA Central Testing Lab during testing
- One phone line for admin activities for on-site RLADRA team member
- One phone line or VPN drop for EDS or dial-up connectivity for e-mail
- Network printer
- File share for storage of media and .MSIs

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On-site Resources

- One regional or traveling lead
  - Goes to the site at least 3 weeks prior to testing start date to begin communications, arrange schedules, meet with customer, perform paper LADRA, etc.
- One remote lead (traveling test engineer).
  - Customer's on-site POC. Works closely with the SMEs, customer, site personnel, and RLADRA Central Testing Lab. Conducts a start-up and close-down meeting with the customers. Works closely with RLADRA lab test engineer to keep ISF Tools documented and updated with test results. Conducts any tests that may not be able to be performed in the RLADRA lab (usually when peripherals are involved). Acts as QA for ISF Tools.
- STEM, SIL, and site personnel assist in coordinating test scheduling with customer (this is not provided by RLADRA team).

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Preparation Milestones

The following project milestones are listed in the order required to make this process effective:

1. When the site is identified, establish contact with the Site Transition Manager or the POC to gather information of the list of key personnel and contacts
2. Identify the commands and workbooks to gather the approximate number of applications to test
3. Screen workbooks to identify which applications will require media, possible reach back, complex configurations, and packaging
4. Determine which applications will require NAT'd IP's or waivers for the B1/B2/FAM Disapproved (customer is responsible for requesting waivers)
5. Determine if the site has the current Gold Build
6. Determine whether the RLADRA Central Testing Lab has the necessary resource capacity for testing and meets the specifications
7. Determine if the on-site testing facility meets the specifications
8. Make sure the necessary documents are on hand :IATO, IATC, MOA, etc.

When the above information is obtained, the RLADRA process for a site may begin. With this information, the tasks required to stand up a site can be accomplished.

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Execution Discipline

- DM1
- DM2
- DM3
- Preliminary Rat List and media submission
- Site RLADRA schedule
- RLADRA complete

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Project Deliverables - Chronological

1. Site is on the tactical plan and falls within the window for RLADRA testing
2. Remote or Travel Lead visits site three weeks before testing. This sets the testing timetable
3. Before testing begins, workbook is scrubbed
4. Two weeks before testing, the RLADRA Central Testing Lab sends the Ready For Test (RFT) and the Need Additional Information (NAI) lists
5. Customer provides a testing schedule for first week
6. Traveler arrives onsite. The workbooks are now frozen.
7. Traveler conducts kick-off meeting. RLADRA begins.
8. Each Tuesday COB, RLADRA lab sends RFT and NAI lists to customer

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Project Deliverables – Chronological - Continued

9. Each Wednesday COB, customer sends test schedule for the following Monday
10. Each Thursday COB, customer sends test schedule for remainder of following week
11. Each Friday, WSR submitted to PDM
12. Upon 48 hours notice, customer can add or remove a test to the schedule
13. Ongoing – ISF Tools updated daily to reflect media receipt, configuration info, testing results
14. Ongoing – Traveler to QA the ISF Tools updates for accuracy
15. RLADRA completed. Traveler conducts close-down meeting, including review of Exit document

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Project Deliverables – By Responsible Party

Customer

1. First week of scheduled testing prior to RLADRA traveler arriving on site
2. First day of RLADRA, workbook frozen
3. Each Wednesday COB – Following Monday test schedule
4. Each Thursday COB – Remainder of following week's test schedule
5. 48 hours – Ad hoc testing notice

RLADRA lab (SSE lead, tech lead, test engineer, packager, etc)

1. Two weeks before testing begins, RFT and NAI lists to customer
2. Ongoing – updating ISF Tools
3. Each Tuesday COB – RFT and NAI lists to customer
4. Each Friday, WSR to PDM

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Project Deliverables – By Responsible Party - Continued

Travel Lead

1. Kick-off meeting
2. Close-down meeting
3. Exit document creation
4. ISF Tools QA

Regional or Travel Lead

1. Verifying site is on tactical plan
2. Visit site three weeks prior to testing to prepare
3. Scrub workbook prior to testing

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