



Citi 2009
Business Continuity Data Mobility Services
Open Systems
Kickoff 2/2/9
Irving, Texas

Citi 2009 Open Systems High Level Overview



- Business Continuity Data Mobility Services
 - 2 Projects worked as one
 - Open Systems
 - Open Systems / Clarion
 - Ten months start to finish
 - Targeted Completion Date
 - EMC will work with System Administrators

Citi 2009 Open System SANpulse Dialog



- Sanpulse Methodology used to drive migration scheduling
 - Data Collection & Analysis
 - Remediation
 - Data Migration

Citi 2009 Management Structure



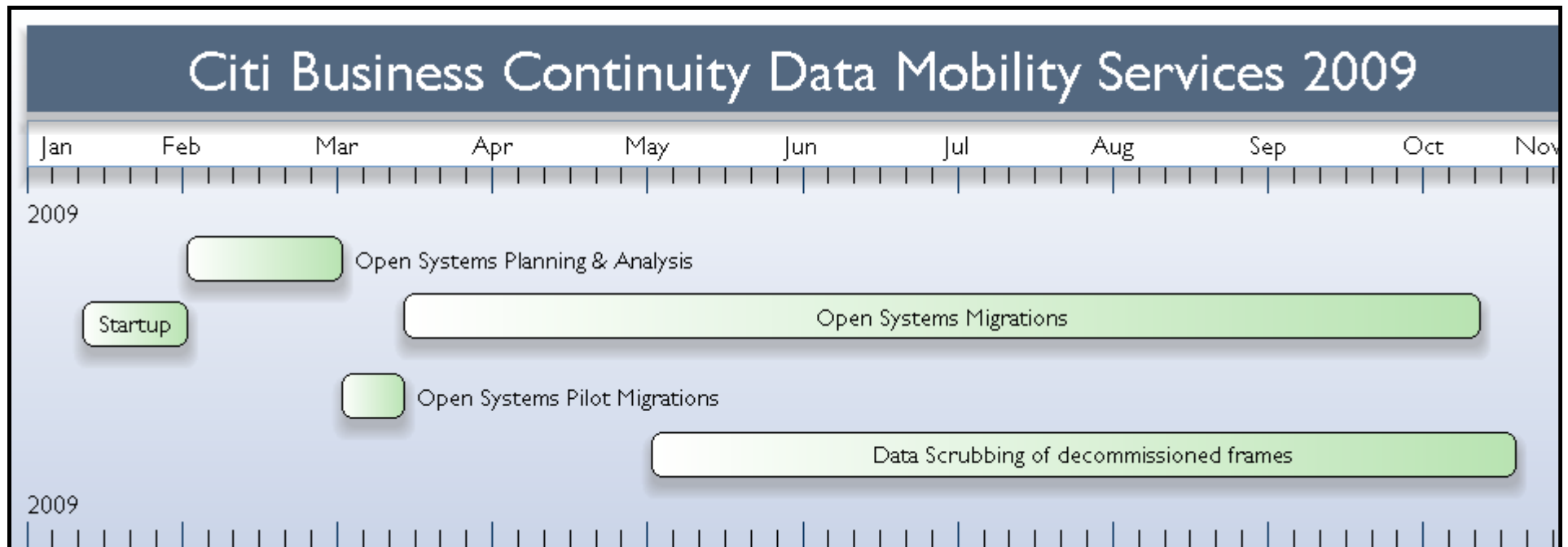
- Dana Marie Thomas Senior Program Manager
 - Overall responsibility
 - Financials
 - Leads Project Management Office
- Roger Milton is PMO Solutions Architect
 - Member of Project Management Office
 - Direct Oversight Documentation
 - Indirect Oversight Implementation
- Ed Salviolo Technology Solutions Program Manager
 - Member of Project Management Office
 - Indirect Oversight Documentation
 - Direct Oversight Implementation

Citi 2009 Milestones



- Open Systems
 - Citigroup Acceptance of Analysis & Pre-Planning
 - Citigroup Acceptance of Migration & Implementation 1-400 hosts
 - Citigroup Acceptance of Migration & Implementation 401-800 hosts
 - Citigroup Acceptance of Migration & Implementation 801-1100 hosts
 - Citigroup Acceptance of Data Erasure
- Open Systems – Clariion
 - Citigroup Acceptance of Analysis & Pre-Planning
 - Citigroup Acceptance of Migration & Implementation 1-200 hosts
 - Citigroup Acceptance of Migration & Implementation 201-400 hosts
 - Citigroup Acceptance of Data Erasure

Citi 2009 Open Systems Preliminary Timeline



Citi 2009 Dashboard Criteria Analysis & Planning



- Analysis & Planning
 - Green
 - On track to start pilot migrations by weekend of March 1.
 - No consequential risks have been identified for which remediation is not on track to address.
 - Yellow
 - Not on track to start Full Scale Migrations by weekend of March 15
 - Data collection is not on track to support host migration schedule
 - Red
 - After March 15 if Analyses & Planning not on track to support completion of Host Migration Schedule by 10/12/9
 - Consequential risk outstanding more than 3 days without defined remedial plan.
 - Defined Remediation plan not on track to address consequential risk

Citi 2009 Dashboard Criteria Host Migrations



- Host Migrations

- Green

- Number of hosts migrated on track proportional to objective of 100 per cent migrated starting March 2 and completing October 12.
 - No consequential risks have been identified for which remediation is not on track to address.

- Yellow

- Number of hosts migrated within 90 percent of objective
 - Number of remaining migration weekends times 60 is less than ninety five percent of number of hosts targeted to migrate.

- Red

- Otherwise.
 - Consequential risk outstanding more than 3 days without defined remedial plan.
 - Defined Remediation plan not on track to address consequential risk

Citi 2009 Dashboard Criteria Data Erasure



- Data Erasure
 - Green
 - Execution of Data Erasure on track to be complete within 2 weeks of final host migration
 - Yellow
 - Execution of Data Erasure not on track.
 - Consequential Risk being addressed by remedial plan.
 - Red
 - Otherwise.
 - Consequential risk outstanding more than 3 days without defined remedial plan.
 - Defined Remediation plan not on track to address consequential risk.

Citi 2009 Work Product Discussion



- Work Products
 - Assistance in development of weekly status reports
 - Project Plan
 - Status Meeting
 - Proposed Open System Project Status Meeting on Monday
 - Minutes
 - Operational Final Documentation
- Deliverables
 - Meeting minutes generated from any status meeting
 - BIN file layouts
 - From/To Lists for data migrations
 - EMC product or Customer host upgrade recommendations
 - Update documentation of Customer environment, including update Operational documents
 - Clarification of scope
 - Turn over of existing documentation

Citi 2009 Planning and Analysis Deliverables



Planning and Analysis Deliverables

- Migration Schedule (Expected to be dynamic and evolve as project progresses)
- Host Remediation report
- Audit Summary Presentation
 - Array Perspective
 - Switch Perspective
 - Host Perspective
- Migration Dashboard
- Confirmed Host List

Citi 2009 Open Systems Migration and Implementation Deliverables



- Migration and Implementation Deliverables
 - Test and Acceptance Plan Criteria
 - Status Report
 - Published From/To Lists
 - Generate files to place on hosts completing back end configuration
 - Rollout schedule
 - Updated SANscreen entries
 - Updated Infoman records
 - Allocation and De-allocation updates
 - Change back reporting list
 - Host Migrations
 - Documentation of frame decommissioning

Citi 2009 Open Systems Data Erasure Deliverable



- Data Erasure Deliverable
 - Certification data scrubbing completed

Citi 2009 Architects



- PMO Roger Milton
- Open Systems Fanglin Lu
- SANpulse Chris Ruzak

Citi 2009 Analysis & Preplanning



- Planning & Analysis Efforts
 - Drive initial project milestones
 - Develop detailed schedule
 - Critical path at moment
 - Ongoing through project
- SANpulse
 - Third party vendor data collection & analysis for Open Systems

Citi Migration Event Overview



Executions

- Open Systems
 - Intent is to run both Open Systems deals as one
 - 1500 Hosts
 - Up to 60 hosts per given green zone
 - Pilot events for both deals
- Overall
 - Pilot Event for Open Systems
 - Pilot Event for Open Systems – Clariion
 - At least 25 Full Scale events
 - Targeted to start 3/14/9
 - Targeted to end 10/12/9

Citi 2009 Sites Impacted



- Open Systems
 - 390 Greenwich, NY
 - Rutherford, NJ
- Open Systems/Clarion
 - 390 Greenwich, NY
 - Jacksonville, FL
 - Silver Springs, MD
 - Tampa, FL
 - 111 Wall, NY

Citi 2009 Open Systems Frames Impacted



- 390 Greenwich, NY
 - Eighteen frames consolidated to four new frames
- Rutherford, NJ
 - Sixteen frames consolidated to four new frames

Citi 2009 Clariion Frames Impacted



- 390 Greenwich, NY
 - Four frames consolidated to four new frames
- Jacksonville, FL
 - Three frames consolidated to one new frame
- Silver Spring, MD
 - Ten frames consolidated to one new frame
- Tampa, FL
 - Seven frames consolidated to one new frame
- 111 Wall, NY
 - Five frames consolidated to one new frame

Citi 2009 Data Erasure



- EMC has responsibility of data erasure for all storage being taken out of service

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