ENGINEERING REPORT

Mark Kosters, CTO

los angeles, ca

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Staffing

- Operations
  – 6 people

- Development
  – 6.5 people

- Quality Assurance
  – 3 people

- Requirements
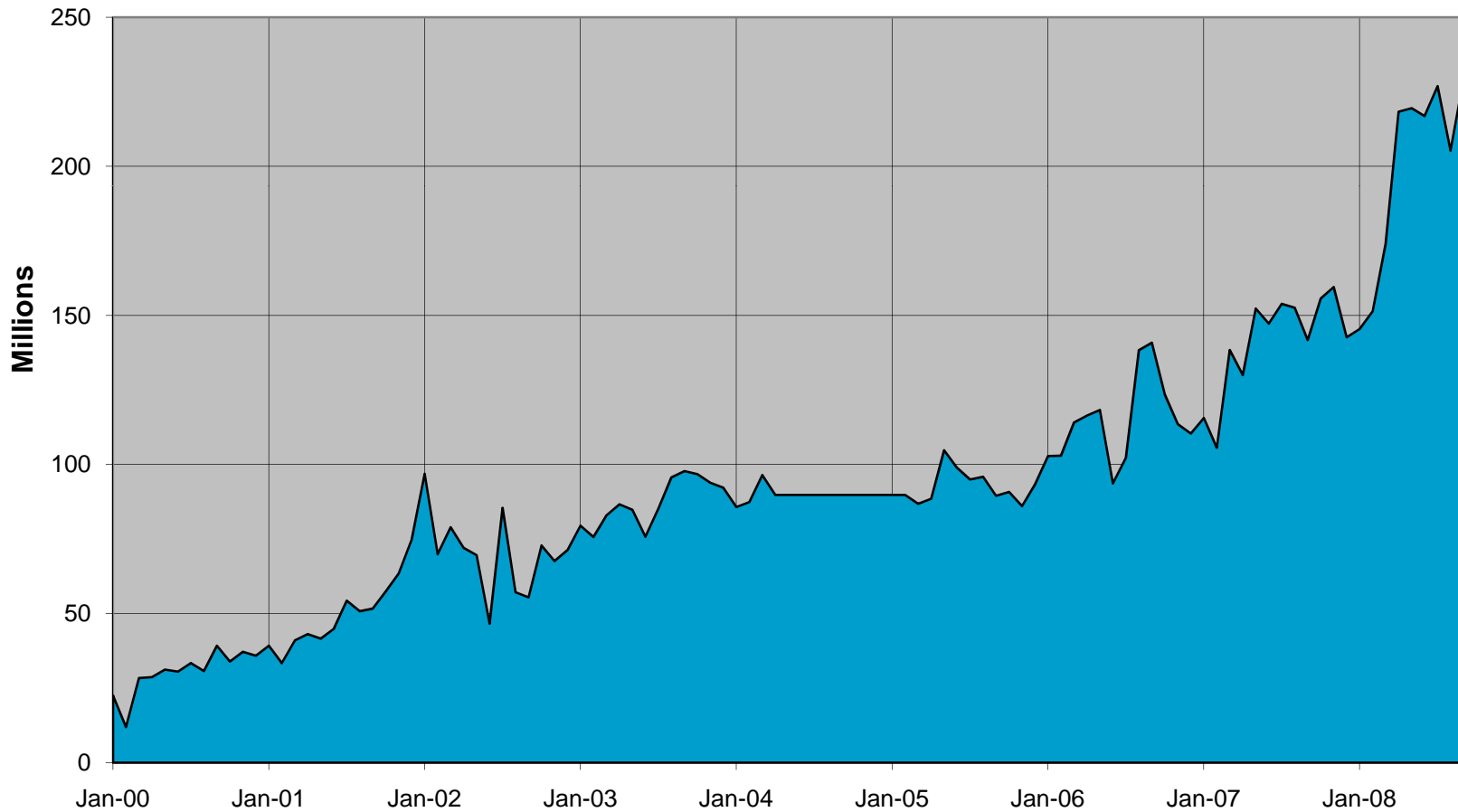 – 1 person

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Operations

- Colo rebuilt in Ashburn

- Serving up in-addr.arpa

- Colo selected for West Coast

- Disaster Recovery Site being planned

- IPv6 to desktop

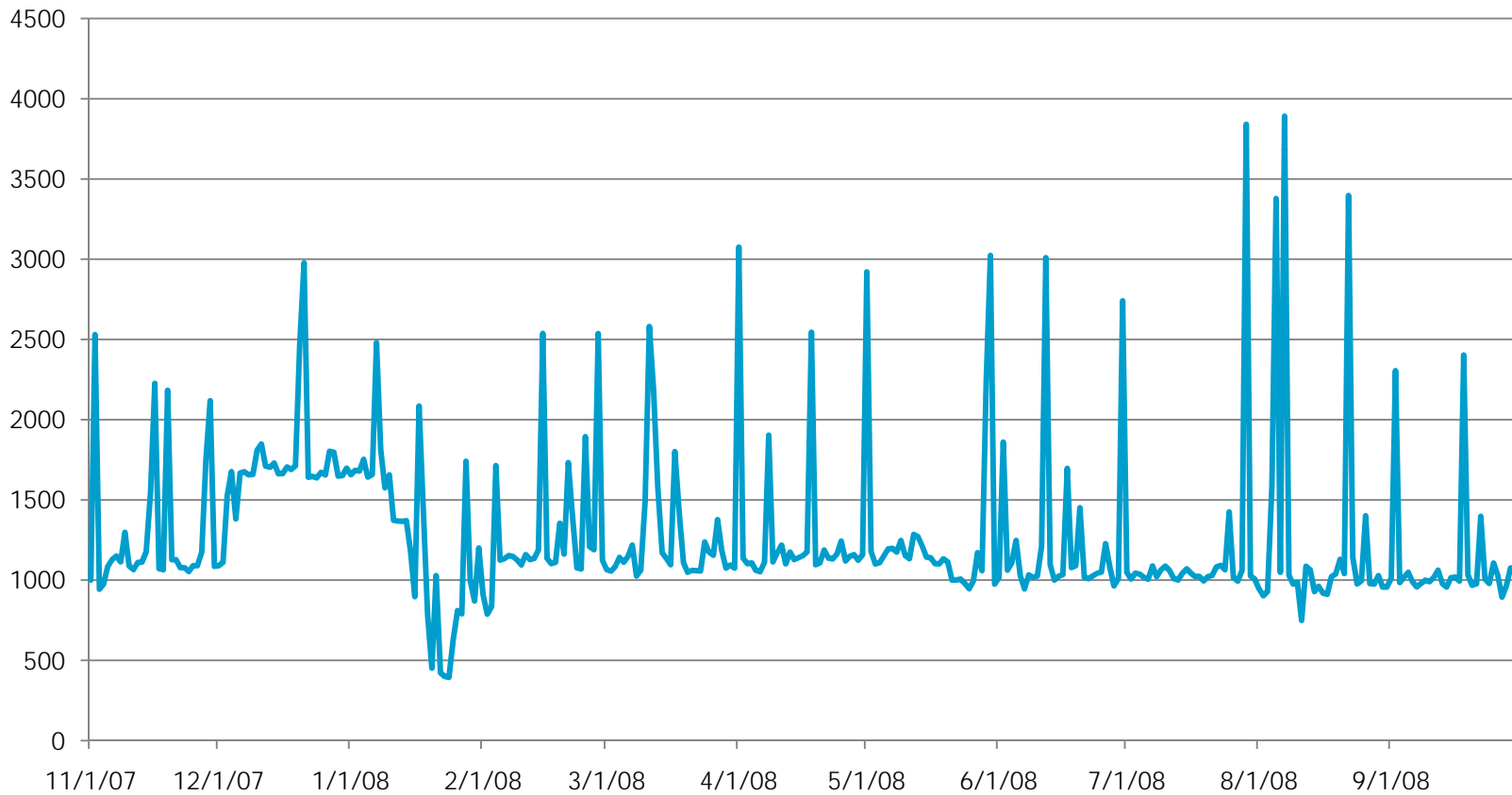- Movement from legacy to modern systems with extensive virtualization

WHOIS Statistics

IRR WHOIS Statistics

Origin AS v. Route Views

	IRR		WHOIS	
Routes checked	7,601		78,833	
Origin Found	4,854	64%	65,004	91%
Origin Not Found or Incorrect	2,455	32%	6,115	8%
Route Not Found	292	4%	714	1%

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Development

- Secure Login

- Improvements to existing systems (lame notification, etc)

- Resource Certification

- DNSSEC

- Various Suggestions through ACSP

Quality Assurance

- Every update working through QA

- Building from ground up

- Using temporaries to fill roles

- Secure Login a significant effort
  - Broad browser support
  - Full regression testing

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Requirements

- Testable systems

- Functional audits

- Document functionality

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Upcoming Challenges

- Additional Secure Login features

- Next Generation Directory Services

- RESCERT and DNSSEC

  - Complex security implications

  - Integration with Secure Logon

- Help identify fraud

- Replacement of Legacy Systems

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- Thank You for your Time and Attention

- Questions?

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