



# Sun<sup>SM</sup> Systemic Security

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# Agenda

- Today's Business Imperatives
- Sun Systemic Security Overview
  - > Vision, Methodology, Knowledge Pool, Products, and Services
- Sun Systemic Security Patterns
  - > Characteristics and Examples
  - > Product and Service Mappings

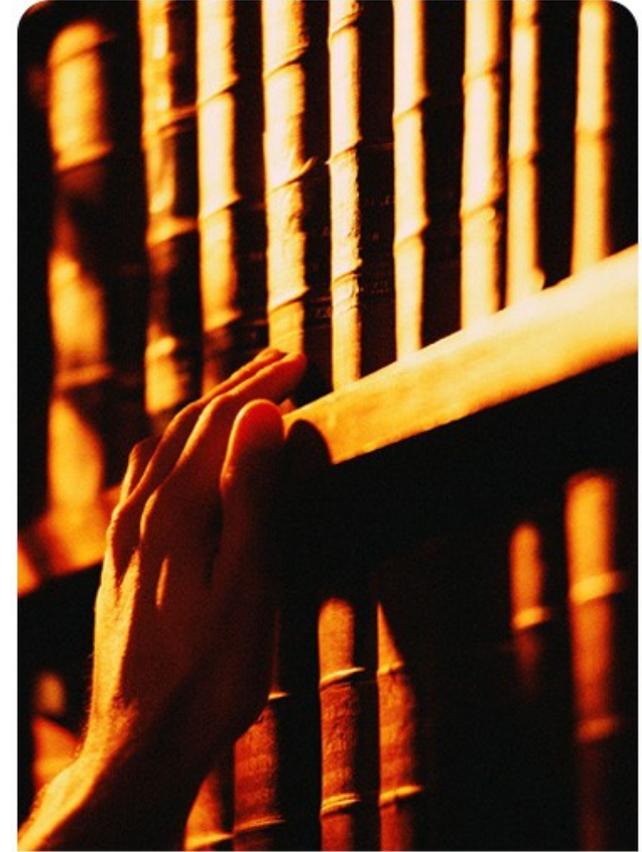
# The World Today



3 Million More  
Users/Week



Transactions Are  
Accelerating



Massive Amounts  
of Information

# The New Reality: The Participation Age



Everyone and Everything Participating on the Network

# Participation is Changing the World



## Enterprise

Collaborative  
Industry Networks  
Outsourcing  
New Business  
Models



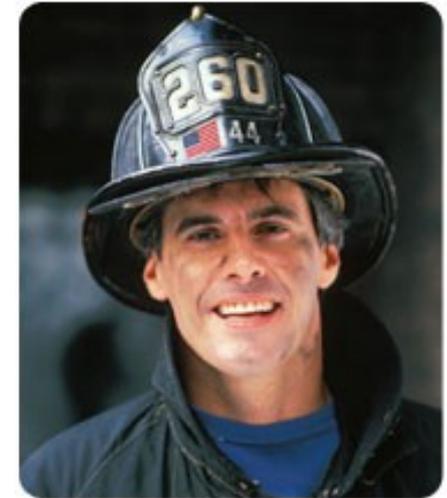
## Consumers

Blogs  
Instant Messaging  
The New P2P  
Social and Job  
Networking  
Online Gaming



## Developers

Java  
Open Source  
Linux  
Open Solaris



## Public Sector

Inter-Agency  
Collaboration  
Healthcare  
Networks  
Political  
Activism and  
Campaigning

# Today, the CEO Expects IT to Help the Business...

...Thrive



Provide Secure, High-Quality IT Services in Line with Business Cost Expectations

...Compete



Increase the Quality and Use of Intelligence in Processes, Products, and Services

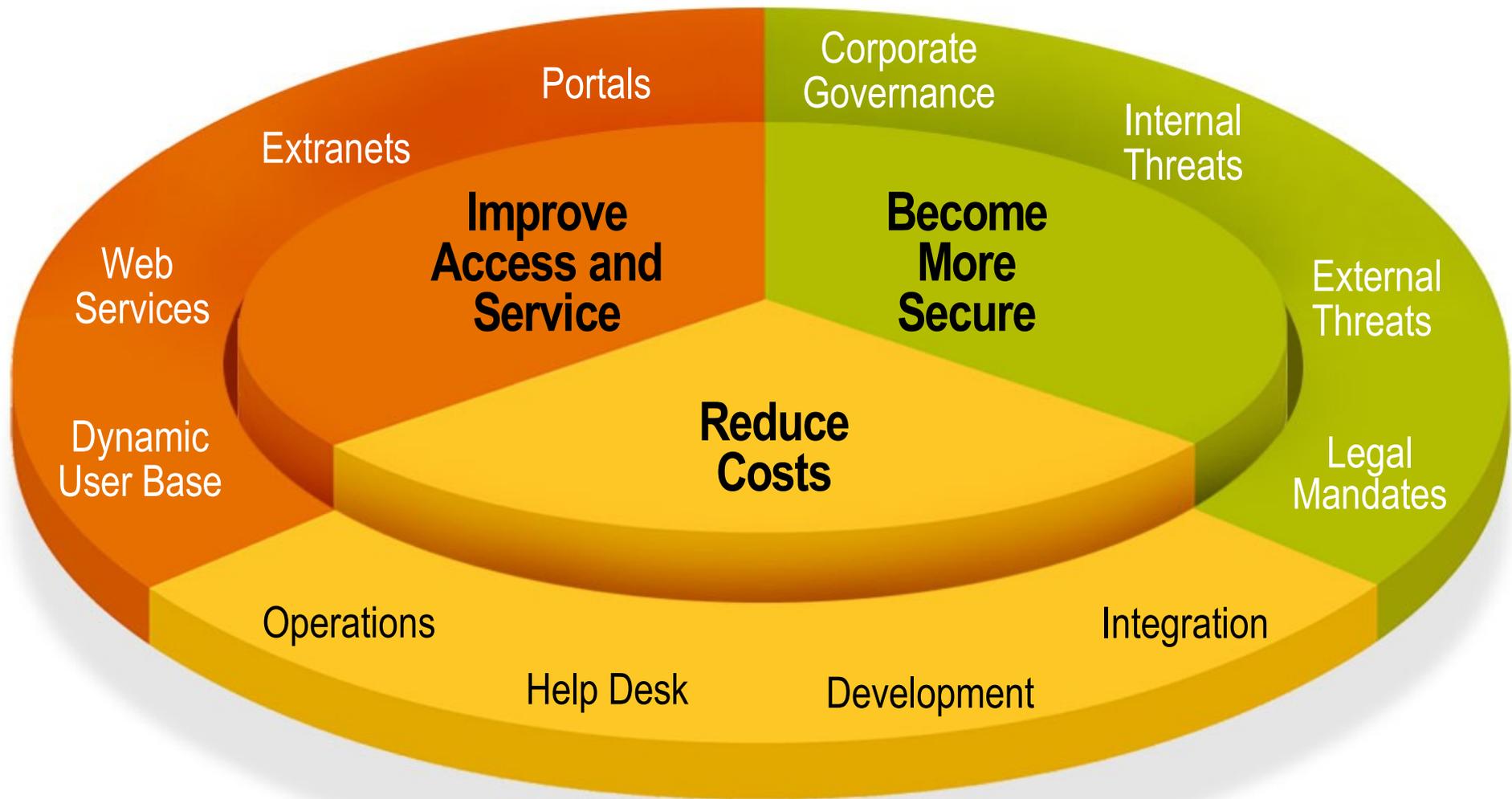
...Win



Improve, Integrate, and Innovate Business Processes

# Security is Tough – Even Before You Get Started

Balancing Multiple, Competing Business Priorities

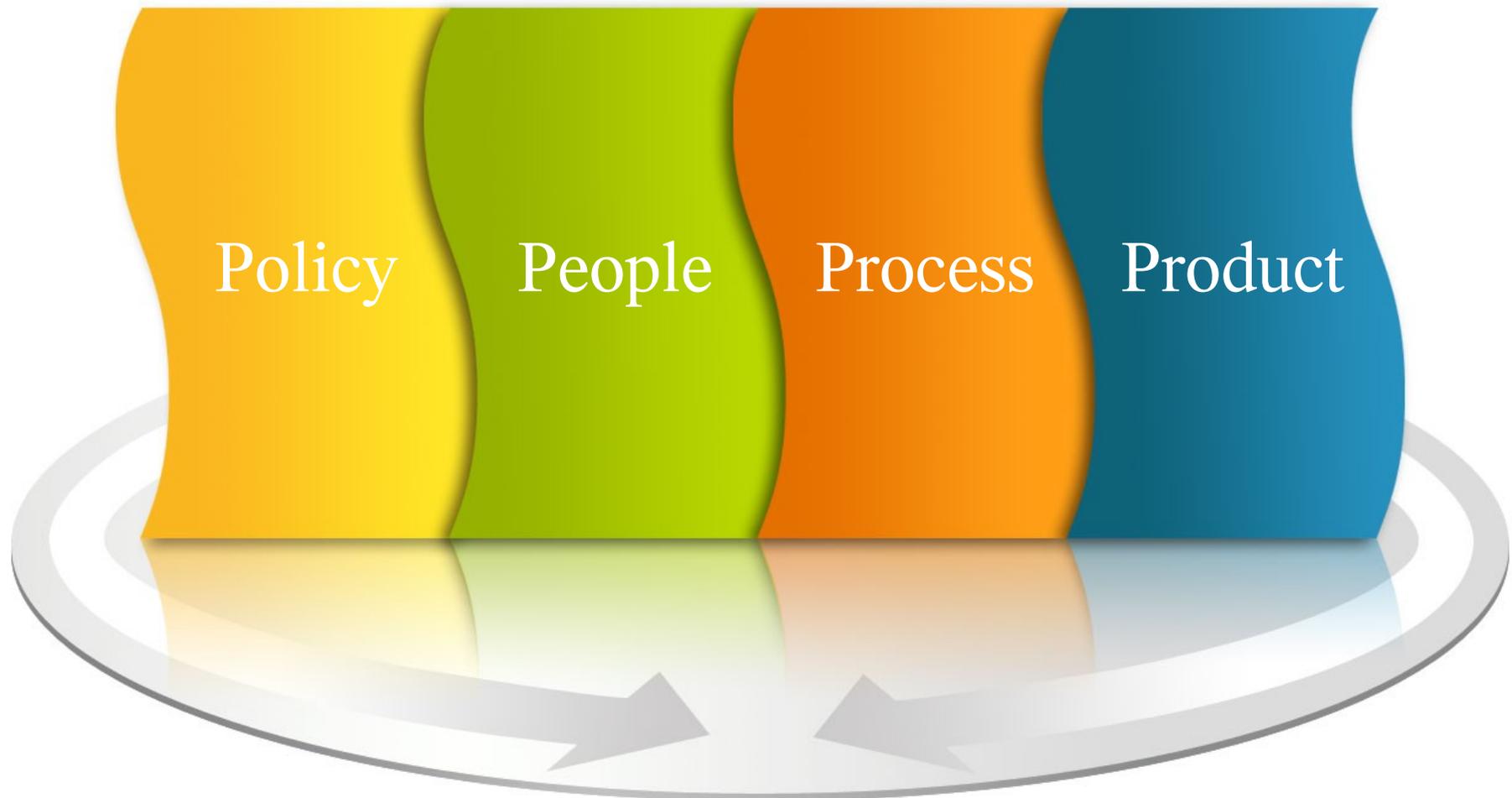


# Sun Security Strategy

[Continue to...]

- **Innovate** open and interoperable standards and simple, accessible implementations;
- **Integrate** security, by default and design into and across all Sun products, services, solutions and business processes;
- **Focus** on solutions featuring our secure architectures, systems, identity management and application services

# Take A Systemic Approach



# Architecture Always Matters



Create a Solid Foundation for Business

# Sun Systemic Security

## Vision

## Methodology

Process

Maturity  
Model

Framework

## Freely Shared Knowledge Pool

Patterns and  
Microarchitectures

Reference  
Configurations

Open Source  
Projects

Community  
Leadership

## Proven Products and Services

Application  
Platforms

Operating  
Environment

Storage  
Platforms

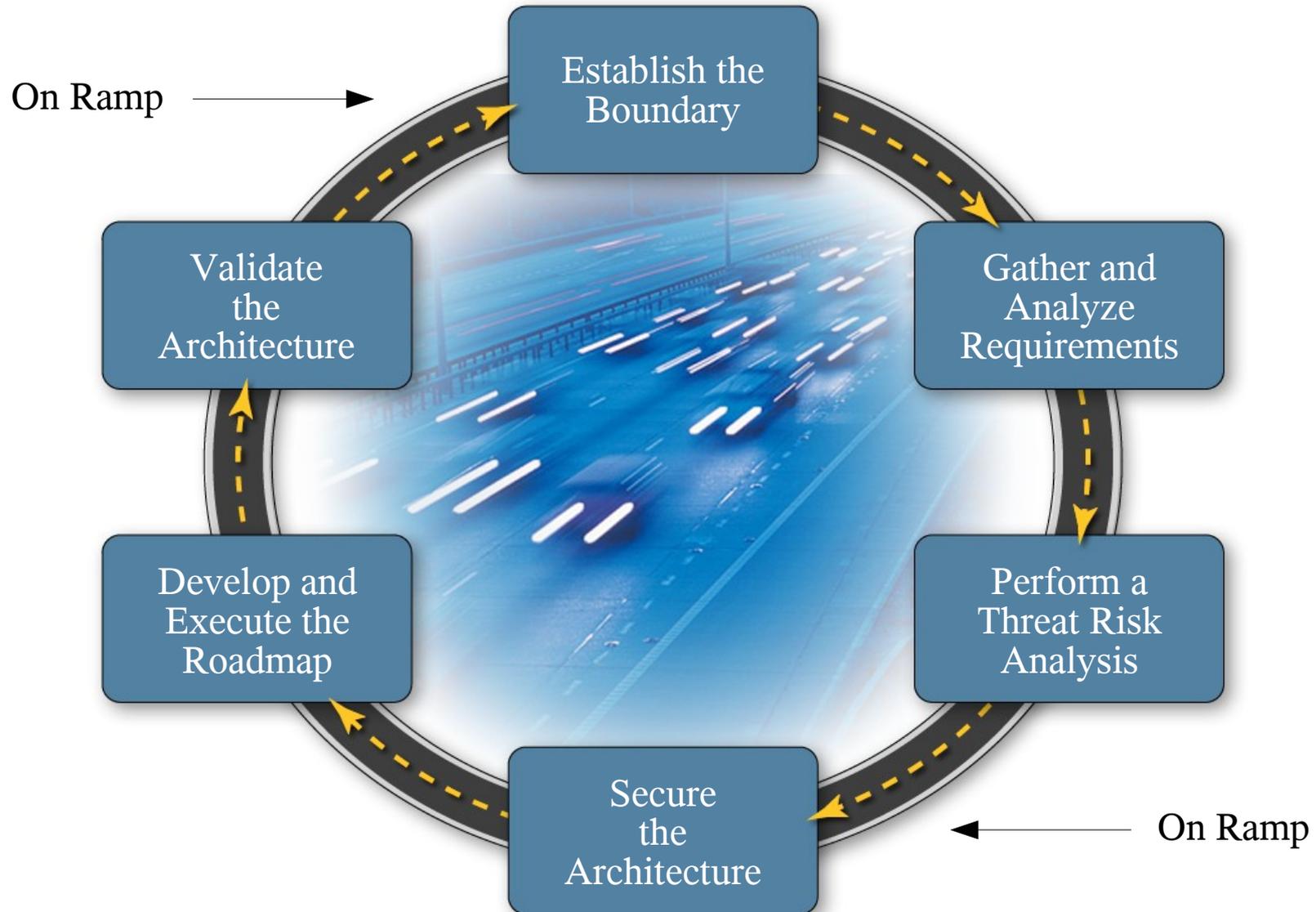
Hardware  
Platforms

Services

# Architectural Approach to Security

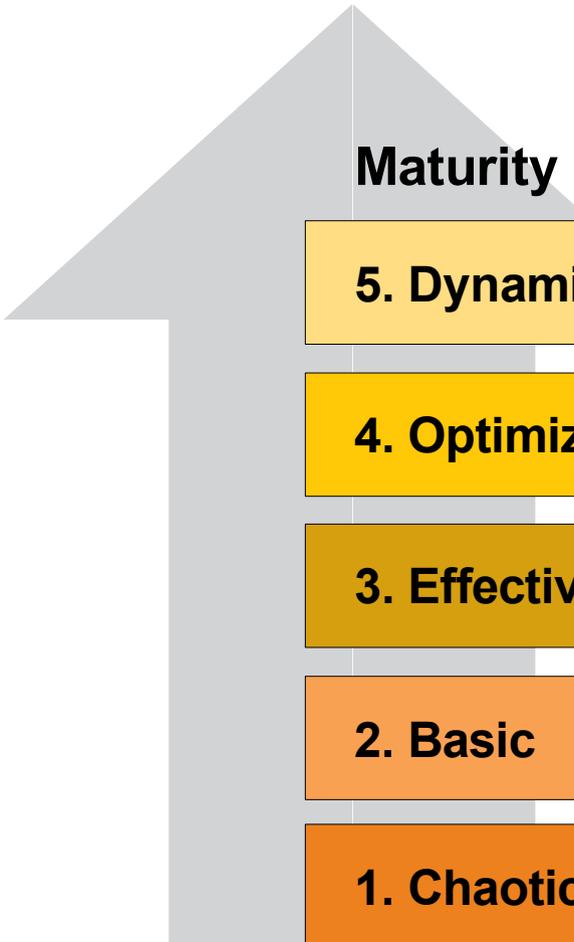
- Secure and Compliant
  - > Achieves balance between security, privacy, compliance and other business and technical objectives
  - > Applies time-tested security principles to new architectural approaches
  - > Embraces the holistic and systemic nature of security - policy, process, education and technology, etc.
- Repeatable and Sustainable
  - > Leverages architectural patterns and micro-architectures for re-use
  - > Facilitates a structured approach to consolidation, standardization, automation and optimization and thereby continuous improvement
- Transformational
  - > Improves upon organizational security maturity levels
  - > Delivers small, modular “building blocks” to facilitate iterative refinement

# Process



# Maturity Model

## IT Security Characteristics



<b>Maturity Levels</b>	<b>Process</b>	<b>Characteristic</b>
<b>5. Dynamic</b>	<b>Adapt</b>	<b>Business Value</b>
<b>4. Optimized</b>	<b>Optimize</b>	<b>Liability Management</b>
<b>3. Effective</b>	<b>Automate</b>	<b>Security Architecture</b>
<b>2. Basic</b>	<b>Standardize</b>	<b>Point Solutions</b>
<b>1. Chaotic</b>	<b>None</b>	<b>Non-Existent</b>

# Framework

- **Compliance-oriented:**
  - > Facilitates mapping of business drivers to security and compliance controls
- **Comprehensive:**
  - > Aligned with a variety of global standards, laws and regulations
- **Flexible:**
  - > Recommendations guided by the architectural and operational maturity of the organization

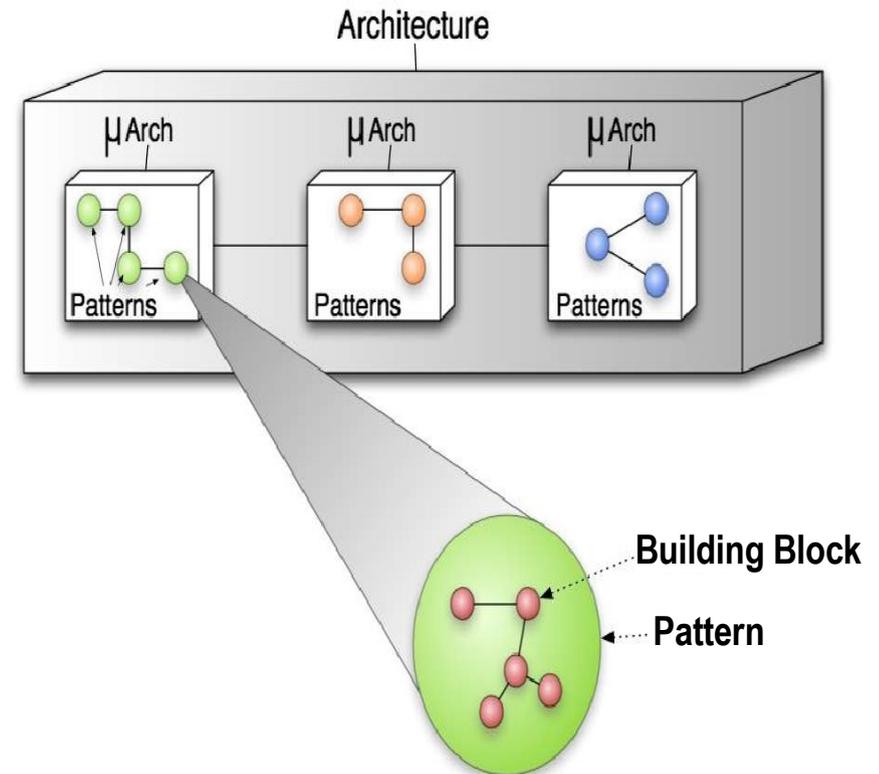
Security Domains	Security Families	Level 1 Chaotic	Level 2 Basic	Level 3 Effective	Level 4 Optimized	Level 5 Dynamic
Management	Security policy					
	Organizational					
	Asset classification and control					
	Personnel					
	Compliance					
Operational	Physical and environmental					
	System development and maintenance					
	Business continuity management					
Technical	Communications and operations management					
	Access control					

Descriptions of individual security control objectives (for each security family) mapped to each of the security maturity levels.

# Building Blocks and Patterns

## Representative Examples

- Secure Components
- Secure Execution Containers
- Secure Network Enclaves
- Shared Infrastructure Services
- Shared Application Services
- Secure Presentation Services
- Secure Desktop Services



# Reference Configurations

## Representative Examples

- Secure Service Oriented Architectures (SSOA)\*
- Data Center Reference Implementation (DCRI)
- Service Delivery Network Architecture (SDN)
- Secure Network Access Platform (SNAP)
- Information Lifecycle Management (ILM)
- Compliance and Content Management Solution
- Firewall, Anti-Virus and IDS
- Web Application Firewall
- Integrity Assurance



\*Available soon

# Shared Knowledge and Experience

## Representative Examples

- Learn:
  - > Sun BluePrints Articles and Books
    - > <http://www.sun.com/blueprints/>
  - > Sun Net Talks and Expert Exchanges
    - > <http://www.sun.com/nettalk/>
    - > <http://www.sun.com/expertexchange/>
- Share:
  - > Sun Open Source and Community Involvement
    - > <http://www.sunsource.net/>
- Join:
  - > Sun BigAdmin and Developer Network Communities
    - > <http://www.sun.com/bigadmin/>
    - > <http://developer.sun.com/>

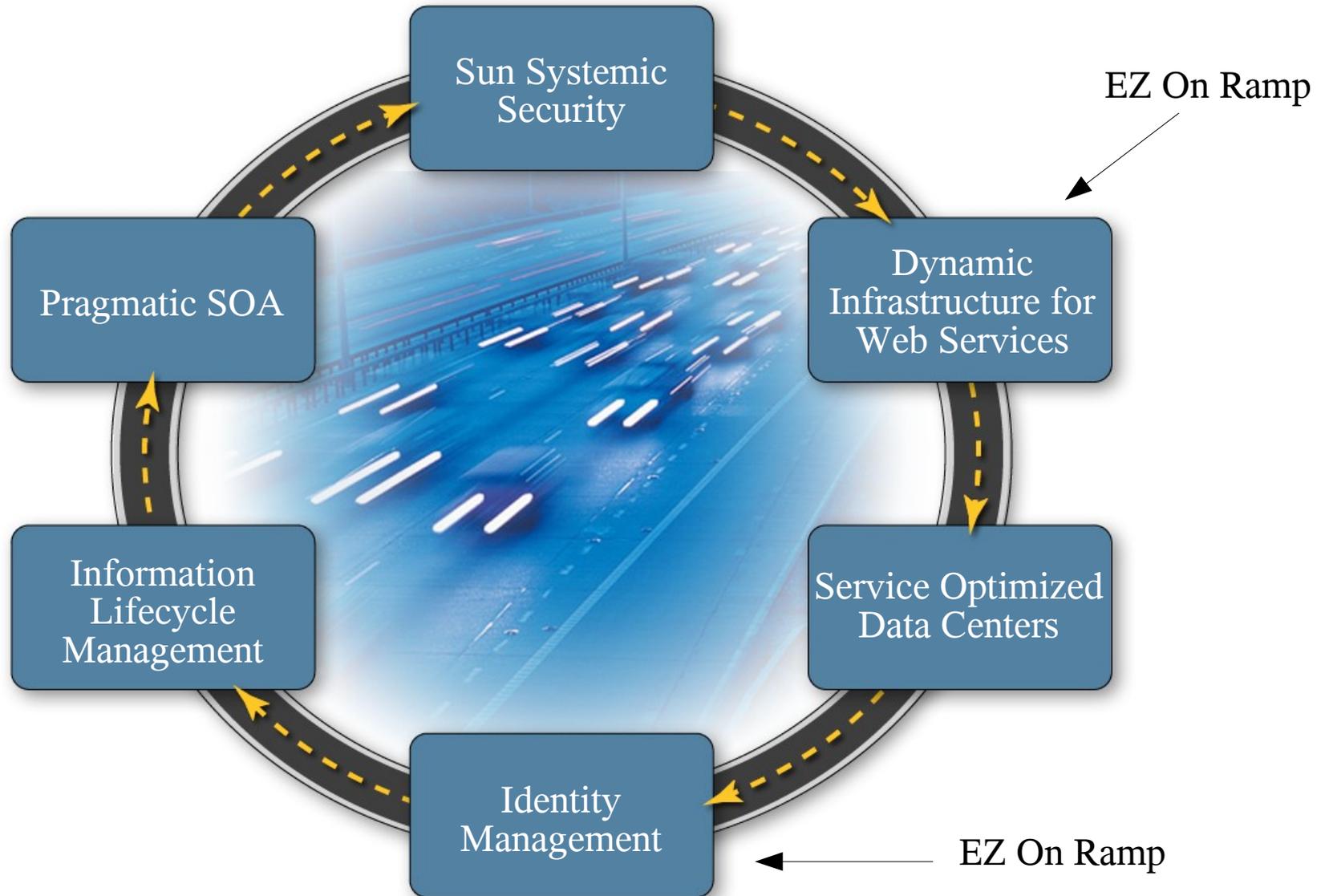


### Sun Net Talk

Online Seminars for IT Professionals



# On-Site Workshops



# Sun Portfolio

## Operating System Platforms

- Solaris 10
- Trusted Solaris
- Secure Global Desktop
- Java Desktop System

## Application Platforms

- Sun Java Enterprise System
- Sun Java Identity Management Suite
- Sun Java Communication Suite
- Sun Web Infrastructure Suite
- Sun Java Availability Suite
- Sun Cluster Software
- Sun N1 Provisioning Software
- Java Studio Developer Tools
- Java Card



## Hardware Platforms

- Sun Fire UltraSPARC Servers
- Sun Fire x64 Servers
- Secure Application Switches
- Sun Cryptographic Accelerators
- Sun Ray Ultra-Thin Client
- Sun Workstations

## Service Offerings

- Managed Security Services
- Client Solutions
- Preventative Services
- Educational Services

## Storage Platforms

- Sun StorEdge Systems
- StorageTek Tape and Disk Storage
- Sun StorEdge SAN Systems
- Sun StorEdge NAS Systems
- Sun StorEdge SAM-FS/QFS Utility & Provisioning Suites
- StorageTek IntelliStore Archiving System
- Information Lifecycle Management Software

# Sun Community of Partners



... And many other industry leaders and innovators.

# Designed for the Participation Age



Right Data  
Right Time  
Right Place  
Right Cost

Secure Access to Information

# Participation Means Improved Security



Innovation Happens Everywhere!

# Security Enables New Opportunities



Sharing Beyond Business Boundaries

# Sharing Creates Compounded Value



When Founded Upon Trust and Security

# The Sun Advantage

1

Confidence. Security is the investment to get right the FIRST time. Sun's systemic approach builds a solid yet agile foundation you can trust.

2

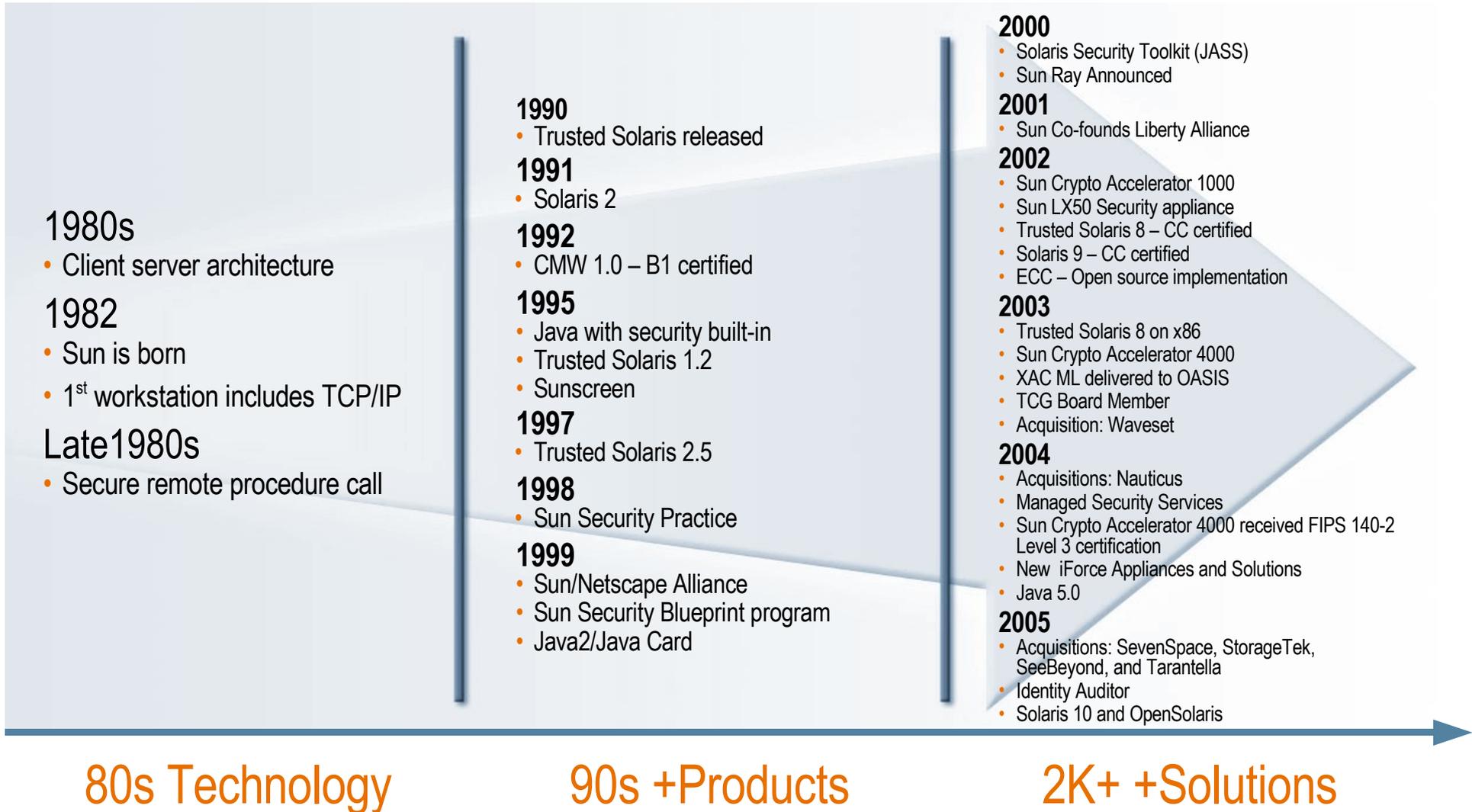
Value. It's time enterprises get effective, integrated, and scalable security to manage information risk without paying a premium.

3

Simplicity. Security has been built-in to Sun's network-centric platform offerings from Day One.

# 3 Decades of Security Innovation

## Setting the Industry Agenda



# Next Steps

- ➔ Learn more about Sun Systemic Security
  - > Listen to our Sun Systemic Security Net Talk  
<https://communications.sun.com/dialog/ondemandcatalog.do#1>
  - > Read our Sun Systemic Security White Paper  
<http://www.sun.com/blueprints/0206/819-5605.pdf>
  
- ➔ Schedule a on-site workshop
  - > Sun Systemic Security
  - > Dynamic Infrastructure for Web Services
  - > Service Optimized Data Center
  - > Pragmatic SOA
  - > Identity Management
  - > Information Lifecycle Management

# For More Information

- Sun Security Home
  - > <http://www.sun.com/security>
- Sun Systemic Security
  - > <http://www.sun.com/blueprints/0206/819-5605.pdf>
- Sun Inner Circle & Executive Boardroom
  - > <http://www.sun.com/newsletters/>
- Sun Security BluePrints
  - > <http://www.sun.com/blueprints>



# Sun Systemic Security

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