

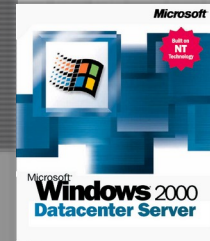
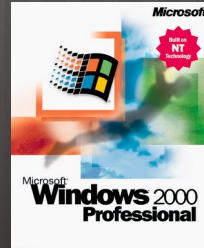


**RSA** Conference 2000

*San Jose McEnery Convention Center*

JANUARY 16-20, 2000

# Meeting the Security Challenge



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just because you're  
paranoid...

doesn't mean  
they aren't out to get you

# security used to be a mainframe issue

- > The goal used to be getting users connected
- > With the Internet, security becomes everyone's concern
  - > More users, more “unsophisticated” users
  - > Broader computer use, more exposure of personal data
  - > More software products, more products to secure
- > We're facing a greater overall threat
  - > More opportunity for “glory”
- > The industry needs leadership

# i n f o r m a t i o n s e c u r i t y

what is Microsoft doing?

- > Protecting the integrity and privacy of our customers' data
- > Building products with security as a primary design consideration
- > Creating usable, secure solutions for customers
- > Engaging in public forums to address security issues



# creating secure products

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Windows 2000: roadmap to a  
secure development process

# creating secure products

## > Microsoft Windows 2000

- > The most secure product Microsoft has ever shipped
- > Demonstrates our commitment to security

## > Windows 2000 as a case study

- > Galvanizes the security initiatives of Microsoft and its partners
- > Demonstrates how we build secure products

# c o m m i t m e n t t o s e c u r i t y

the internal development process

- > Design for security from the ground up
  - > Windows 2000 is based on Windows NT®
- > Review specifications and architecture internally
- > Review code internally
- > Engage independent internal security test team
- > Security is a showstopper issue



# commitment to security

standards: Windows 2000 supports the industry



# commitment to security

## open and external review

- > Extensive Beta
  - > Most tested software product we've released
  - > Security test site ([windows2000test.com](http://windows2000test.com))
- > FIPS 140-1 evaluation of Cryptographic Service Provider (CSP) - *Completed*
- > NAI Labs review of the IPSec implementation - *Completed*
- > Common Criteria evaluation against Controlled Access Protection Profile (CAPP) for operating systems (replaces C2) - *In Preparation*
- > Source code licensed to over 80 universities, labs, and government agencies

# c o m m i t m e n t t o s e c u r i t y

## investment for the future

- > Research
  - > TCPA
  - > Fundamental research in cryptography (reported at this conference)
- > Participating in standards forums
  - > PKIX
  - > IETF
  - > PCSC
  - > PKI Forum founding member
- > Funding academic and nonprofit research organizations
  - > University California - Davis
  - > University of Virginia
  - > Carnegie Mellon
  - > ...others to come



creating usable secure  
solutions for customers

making security tangible and simple

# building secure products is only the beginning

## what did our customers ask for?

- > Microsoft's promise to protect their data
- > More and better lines of communication
  - > Information that fits their needs (IT Pros vs. Consumers)
  - > Full and appropriate disclosure of security issues
- > Simple methods to secure their data
  - > Guidelines for IT Pros and for Consumers
  - > Easy to implement security configurations
- > Assistance from Microsoft
  - > Rapid response to security issues
  - > Help from experts

# building secure products is only the beginning

how is Microsoft responding?

- > Providing a written commitment that takes customer security to a new level
  - > Microsoft products protect privacy and security of customers' data
  - > Microsoft customers are in control of their information
- > Relaunching Security Response Center
- > Providing simple security configuration steps
- > Committing to ensure customers' access to help when they need it

# security response center

secure@microsoft.com

- > Works within framework of Microsoft Security Commitment
  - > Responds to every report within 24 hours, 7 days a week
  - > Works with internal product groups when issue requires
  - > Provides bulletin and web posting of patches or workarounds
- > Integrates with WindowsUpdate and OfficeUpdate sites
  - > Key priority is getting patches to more customers

# security response center

expanding the information for our customers

## For IT Professionals:

- > Relaunching <http://www.microsoft.com/security>
  - > Focused on the needs of IT Professionals
  - > Provides expanded information on using systems securely

## For Consumers:

- > New Consumer Privacy/Security Website
  - > Contains practical guidance for implementing security
  - > Focuses on guiding the consumer user rather than the IT Pro
  - > Focuses on security methods to protect personal privacy
  - > Focuses on simplicity of implementation



# secure simple solutions

provide guidance on use of security features

- > Checklists for securely deploying Microsoft products
  - > IIS
  - > C2 security; domain controller; member server; workstation; under development
  - > Win 9x, Exchange, SQL Server to follow
- > Security templates for Windows 2000
  - > Preconfigured security configurations
  - > Used with Security Configuration Editor and Group Policy
- > Office Resource Kit for Office 2000
- > Windows 2000 logo security requirements
  - > Ensures applications are designed to be secure

# security assistance

providing support for security issues

- > Microsoft support and consulting services
- > Third-party consulting partners
  - > Over forty partners provide consulting services in security design, deployment, and recovery
  - > Example: Antivirus vendors during Y2K preparations
- > Support design, installation, and recovery



driving security issues

commitment to the community

# security is an industry issue

## Microsoft Security Advisory Council

- Chartered to improve customers information security
- Consist of sample of the IT security community
  - Customers and Academics
  - Opinion Leaders, Fans, and Critics

## Corporate Information Security Officer's Council

- Members are corporate IT Security Directors
- Chartered to represent needs of enterprise customers

## Industry Security/Privacy Summit – Summer/Fall 2000

- Invite government, academics, customers, public interest groups, competitors
- Focused on identifying and solving industry issues
- Conference to include privacy leaders and issues

# c h a n g i n g t h e d i a l o g u e

security and privacy go hand-in-hand

- > Trusted relationship with consumers is good business
- > Microsoft is putting consumers in control of their information
- > Privacy is a priority from technical and policy standpoint
  - > TRUSTe privacy seal on all Microsoft web sites
  - > Working on industry privacy standard P3P
  - > Founding sponsor of GetNetWise for Children's Online Safety

# security is a public policy issue

our industry has a critical role

- > Partnership for Critical Infrastructure Security
- > FTC's Online Access and Security Advisory Committee
- > Windows 2000 will ship worldwide with integrated strong (128 bit) encryption
  - > First general purpose operating system to do so
  - > Result of cooperation with Government to create new crypto regulations
  - > Big win for customers and industry partners

# c o n t i n u o u s s e c u r i t y r e q u i r e s c o n t i n u o u s i n n o v a t i o n

## > Contributions from innovators

### > Windows 2000 Research Symposium- April 2000

- \* Invitational symposium on research applications of Windows 2000
- \* Will introduce Windows 2000 technology to academic and research organizations

### > Funding academic research grants for security

## > Research contributions to the community

### > Microsoft presentations at technical sessions



a security expert's work is  
never done...

Security is a journey, not a destination.  
We are embarked on a new and positive  
journey to improved security with our  
customers and the rest of the industry.





Where do you want to go **today**?

**Microsoft**

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