

Childlike Simplicity, Grownup Security

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Implementing biometrics in the City
of Stockholm Schools

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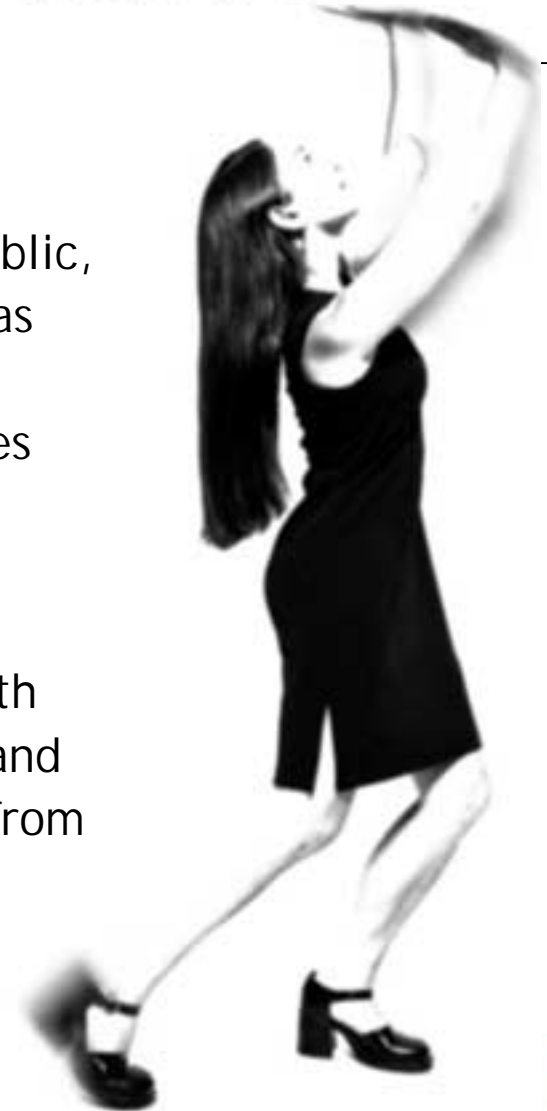
Novell vision and mission

Vision...one Net

A world where networks of all types—corporate and public, intranets, extranets, and the Internet—work together as **one Net** and securely connect employees, customers, suppliers, and partners across organizational boundaries

Mission

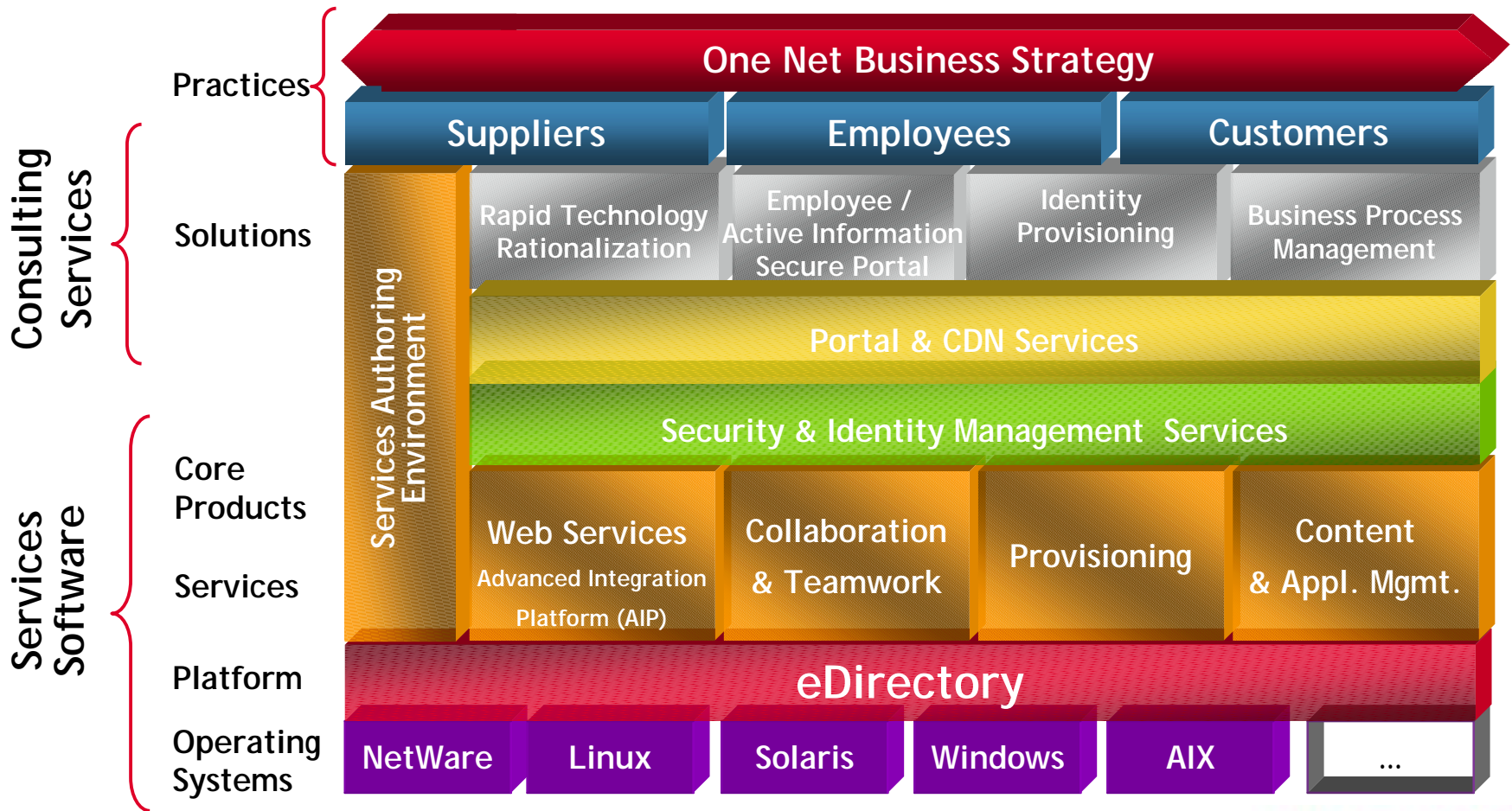
To solve **complex** business and technical **challenges** with **Net business solutions** that enable people, processes, and systems to work together and our customers to profit from the opportunities of **a networked world**





One Net Business Solutions Model

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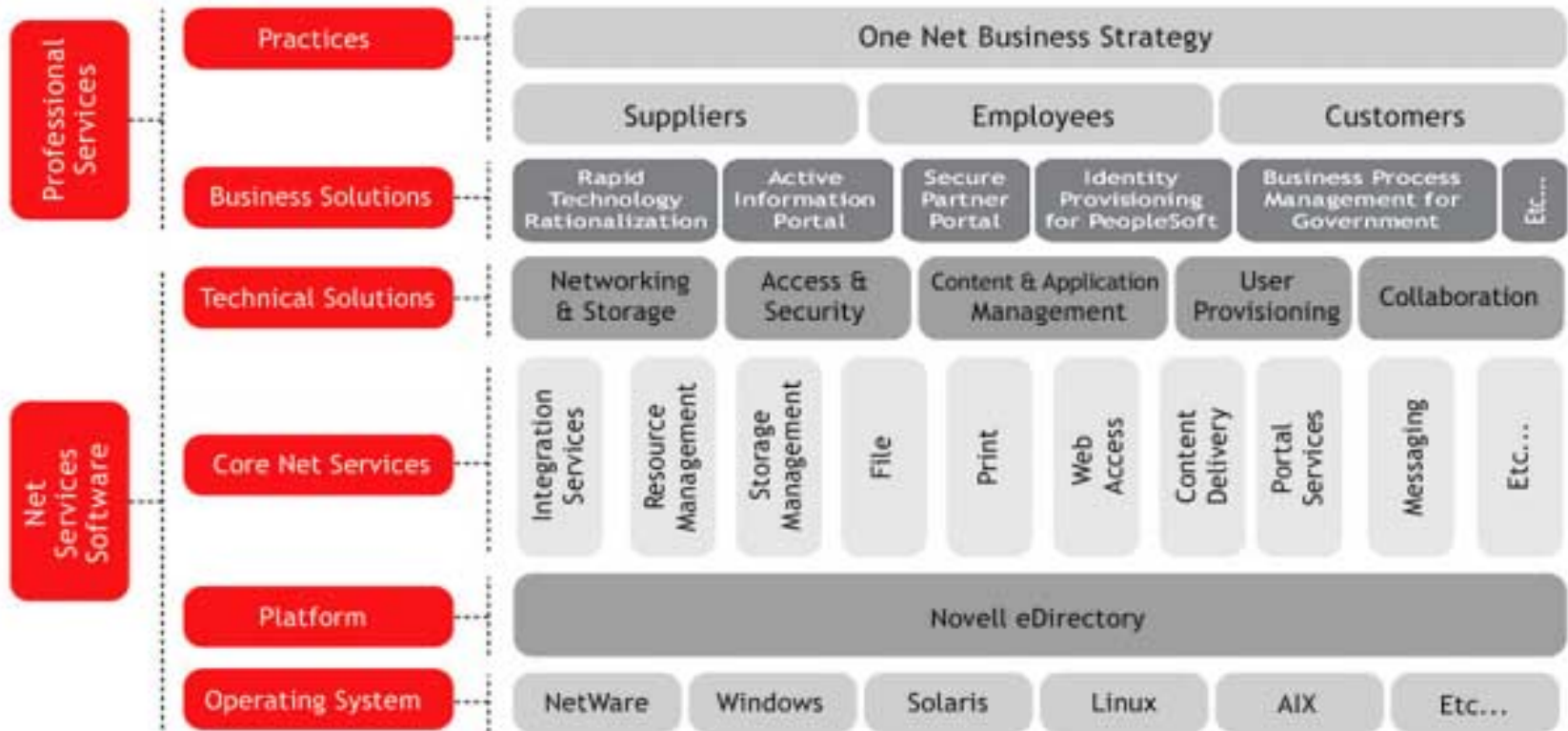


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one Net business solutions model

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Novell's Commitment to Security

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In 1983, **Novell** introduced tools for secure file services, granular access control and centralized administration.

Today, **Novell** is literally unmatched in the **breadth of its security vision**, its **reputation for security and reliability** and its **ability to execute** a secure computing strategy across all major platforms.

In January 2000, **Novell** introduced the **Modular Authentication Service (NMAS)**, a security infrastructure designed to replace password authentication with a variety of strong authentication methods, including biometrics. To date, over a dozen Novell partners have built biometric methods for this authentication service.

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City of Stockholm Schools: Profile

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Size: 85,000 users across all schools, K-12

Issues:

- Young children frequently forget passwords
 - Students begin using computers at about the age of six
 - Typical class session for young students is approx. 45 minutes
 - Class productivity was a significant issue, as frequent password resets reduced class time by as much as one third
- Older students “borrow” passwords to mask identity for certain web activities
 - Network administrators monitor activities in chat rooms and at selected web sites, but could not tie back to actual user
- A frustrated school principal demanded a replacement for passwords and became the catalyst for the project

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City of Stockholm Schools: Solution

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Phase I:

- An outside consulting firm researched available options
 - Recommended NMAS coupled with a biometric method
 - Based on preliminary analysis of available NMAS methods, consultants recommended two biometric vendors for in-depth evaluation

Phase II:

- A second consulting firm installed and evaluated the two biometric methods
 - Detailed feature comparison
 - Initial test of enrollment and match capabilities

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City of Stockholm Schools: Solution

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Phase III:

- Network administrators at Kvarnby Skolen installed NMAS/SAFLINK solution into one computer lab and enrolled 60 users
 - Software evaluation focused on usability by both students and teachers, along with evaluating administrator tools
 - Hardware evaluation focused on identifying devices that functioned well for very small fingers

Phase IV:

- NMAS/SAFLINK solution installed throughout school; 450 students and teachers enrolled in system
 - School-wide production pilot
 - Successful in meeting all objectives

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City of Stockholm Schools: Result

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Customer Success Story

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