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# CMS Best Practice seminar 2006 - Security

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## Agenda for my 25 minutes.

- Sitecore
- Security – What is it?
- Sitecore security
- Live demo

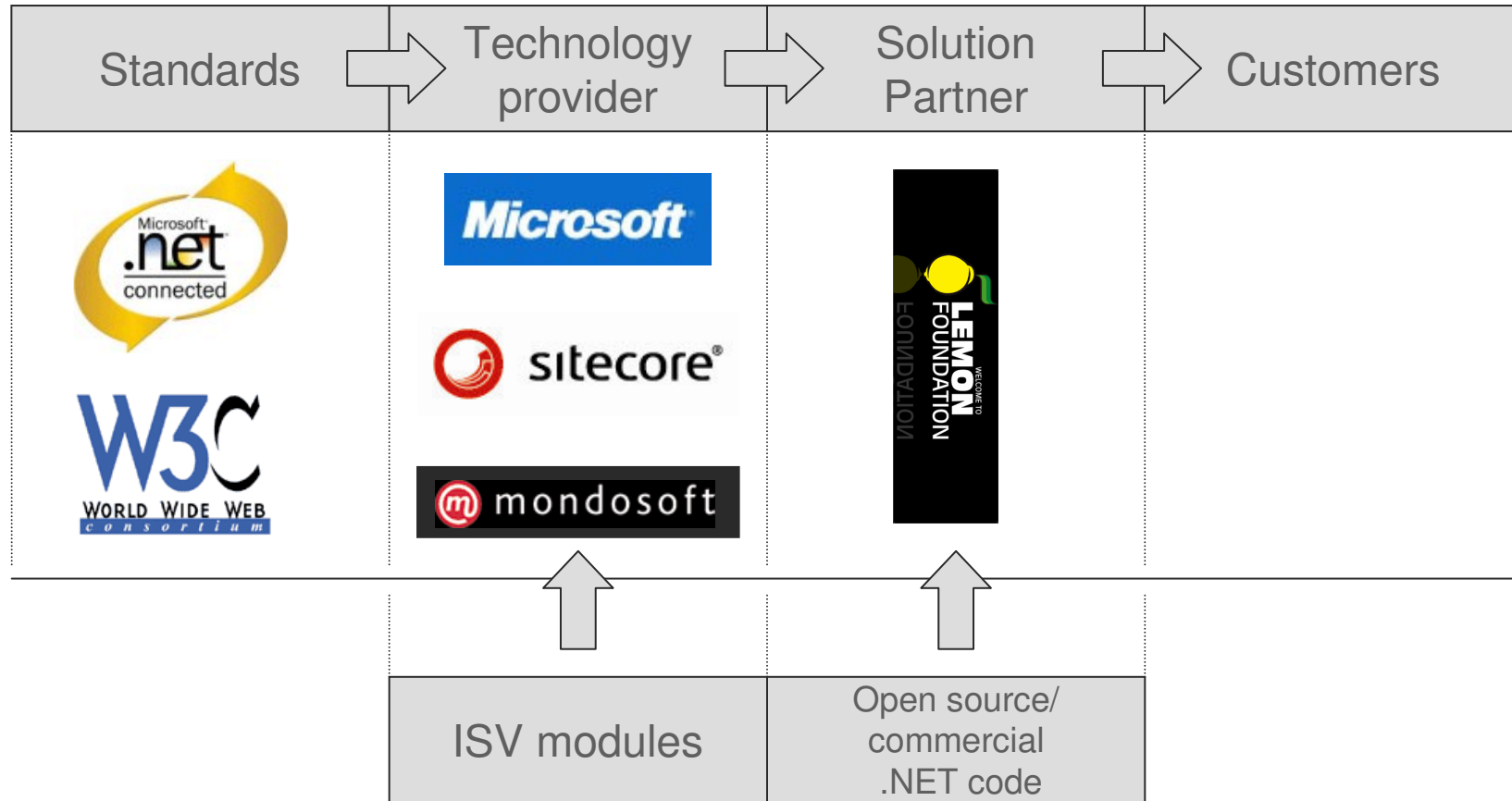


## Sitecore – the company

- First .NET based CMS, released April 2002
- 6 Offices worldwide
  - USA, UK, DE, DK, UKR, INT
- Focused channel to market
  - 140+ Solution Partners in over 40 countries
  - Strict partner strategy
- Established developer base
  - Over 600 certified developers
- 750+ customers worldwide



## Sitecore - Market Channel



“**Strong Reseller or Integrator Channel.** Kudos to: **Sitecore.**

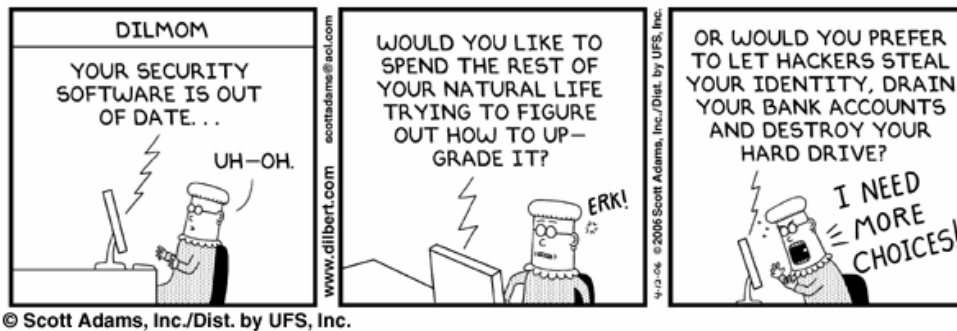
Honorable mention: Hummingbird/RedDot, Interwoven, Microsoft, PaperThin.

Lagging: Day, Mediasurface, Tridion.”, CMS Watch, Vendor Kudos and Shortcomings, Sept. 2005



## Security – What is it?

- Security – What is it? A search on Google returns 613.000.000 hits on the topic.
- Roughly, security can be split into two categories;
  - Privacy protection and product lock-down



- Application authentication and authorization:
  - Who are you? A verification on who you are.
  - Service authorization. A check on individual elements if you may, or may not use this element.

## Why is application security important?

- It's important that the platform can be modified to support your organisations need, not modifying your organisation to the application:
  - Simplifies the experience.
  - Ensure editors are not presented for options that can be confusing, and to make sure that they can do nothing wrong



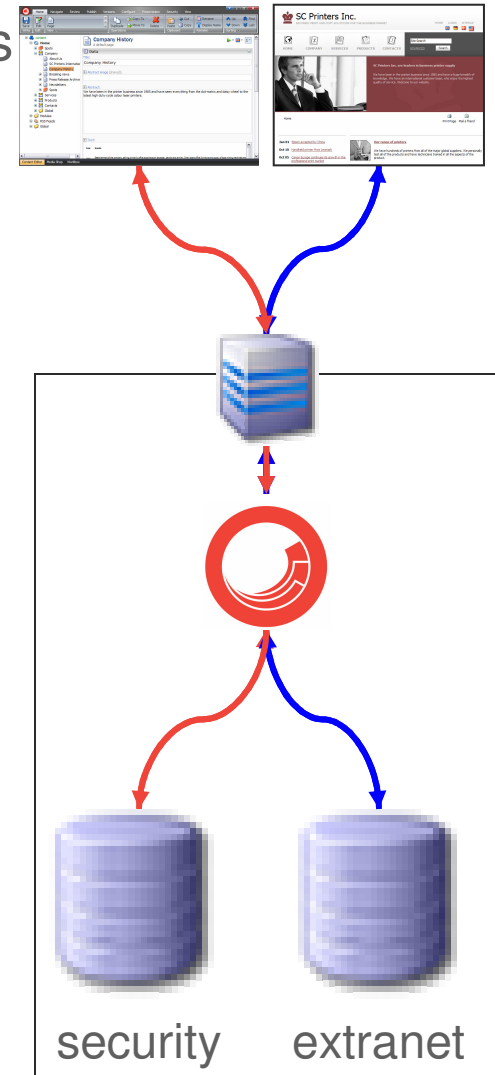
## Sitecore security

- Authenticating a user
  - Integration and virtual user
- The security model – Domains, roles and users
  - Extranet security
  - Sitecore security
  - Any other domain
- Authorizing services
  - Editor interfaces
  - Client access roles
  - Item level security
  - HTML editor security
  - Field level security
  - Security on files and media
  - Workflow security
  - Language access security: Different security profiles
  - Application part security: Modify the application



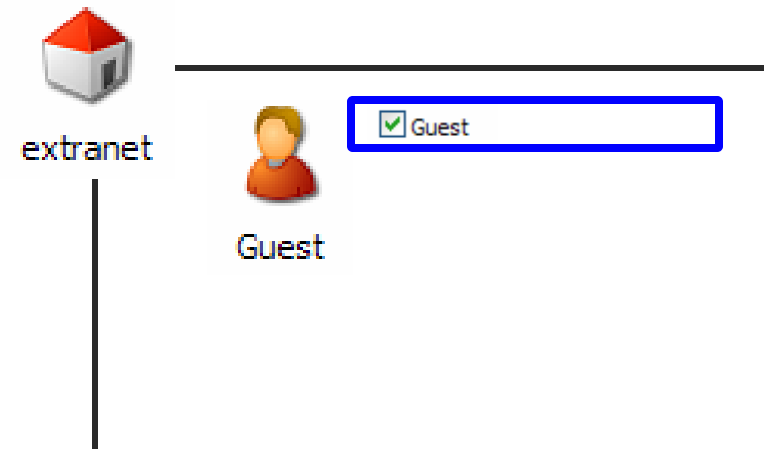
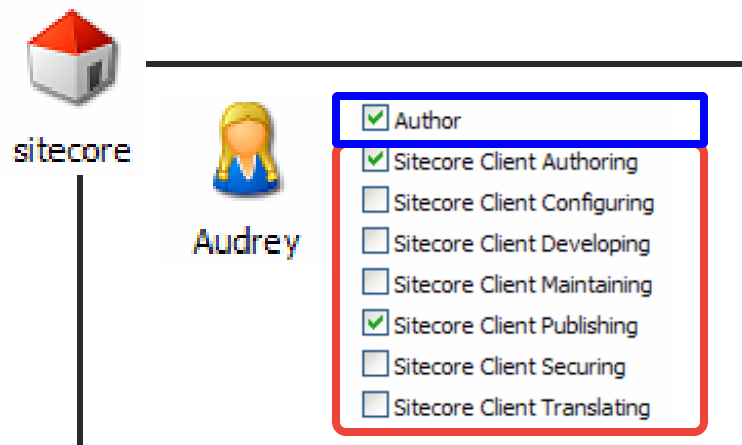
## Security model - Domains

- The security databases are referred to as Domains
  - Sitecore Domain = security database
  - Extranet Domain = extranet database
- Domains store users and roles



## Security Users and Roles

- Each user has a corresponding login name and other properties
  - Users may be assigned any number of roles
- A role is just a name that may be granted or denied access rights
  - Granting or denying access rights to roles influences all users assigned that role
- There are two types of roles
  - Content roles (custom defined per site)
  - Sitecore interface roles (predefined by Sitecore)



## Security - Domain model is 100% abstract!

- ?????? What?
- This means that you can plug in your own security model. For example, you can use your CRM database to apply roles and users. But you can still assign users and roles from the interface.
- For easy integration, AUTHENTICATE your user in existing system, and extract users and groups. Then build "virtual" user, which then uses roles defined in the CMS.
- For example, use LDAP, TDC signature, MSN passport etc.



## Sitecore Client Roles

- Roles which provide access to various areas of the interfaces
- Defined in the Sitecore Domain and have “Sitecore Client” prefix
  - Authoring Minimal editing rights, required by most users
  - Configuring Enables the Configure tab in the Content Editor
  - Developing Enables developer and debugging tools
  - Maintaining Enables template editing and reporting tools
  - Publishing Displays publishing commands
  - Securing Enables security tools
  - Translating Displays translation tools in the Content Editor





# Sitecore Client Roles

- The Sitecore Client Roles influence both the Sitecore menu and features available within the Content Editor and Control Panel



**Admin**  
Administrator

- Content Editor** (Manage your content.)
  - WebEdit
  - Preview
  - Debug
- Media Library** (Maintain media content.)
- Developer Center** (Create new functionality.)
- Security Editor** (Grant and revoke permissions.)
- Template Manager** (Create new templates.)
- Publish** (Publish your content.)

**All Applications**

- Workbox
- Control Panel
- Security Tools
- Reporting Tools

Log Off

**All Applications**

- Content Editor
- Control Panel
- Developer Center
- File Explorer
- Image Editor
- Keyboard Map
- Log Viewer
- Run
- Security
  - Access Viewer
  - Security Editor
  - User Manager
- Sitecore on the Net
  - Sitecore Home Page
- System
  - About Sitecore
  - Licenses
- Template Manager
- Workbox

**Security Tools**

- Access Viewer
- Security Editor
- User Manager

**Development Tools**

- Package Designer
- Installation Wizard
- File Explorer
- Keyboard Map
- Packager

**Reporting Tools**

- Log Viewer

**Required Role**

- Sitecore Client Developing
- Sitecore Client Maintaining
- Sitecore Client Publishing
- Sitecore Client Securing



Let's see it!

Live demo



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