



Microsoft®
SharePoint® 2010

Ondřej Šťastný, MSP

1. Co je Sharepoint?
2. Představení produktu
3. Business Case
4. Vývoj nové funkcionality



1. Co je Sharepoint?

“Microsoft SharePoint je software **platforma**, která umožňuje **kolaboraci**, vytváření webů, **správu dokumentů**, **vyhledávání**, **web 2.0** a další funkcionality pro **korporátní IT systémy**.”



ECM

= Enterprise Content Management

“ECM si klade za cíl zefektivnit
správu informací ve firmě
pomocí zjednodušení uskladnění
dokumentů, zabezpečení, verzování a
procesů.”

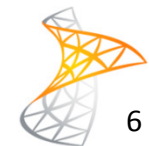


Konkurence

- Oracle Content Management
- EMC Documentum
- Alfresco
- ...



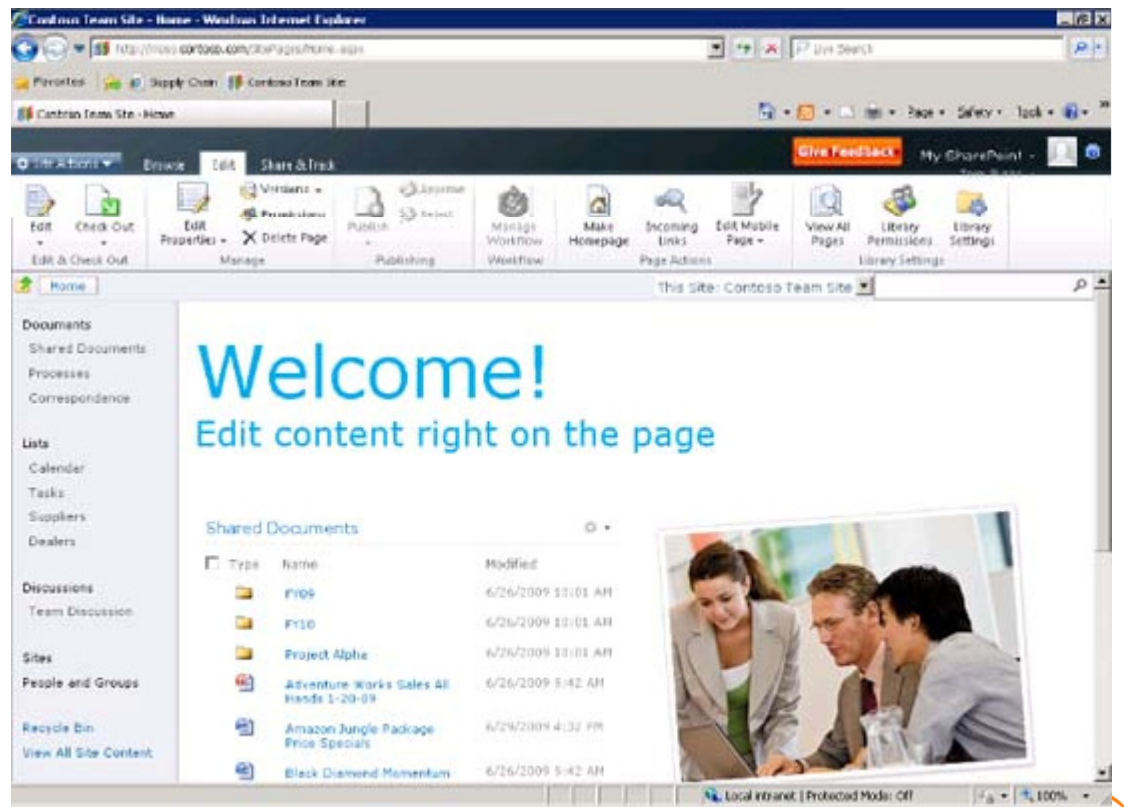
3. Představení produktu



a) Sites

Vytváření webů

- Intranet & internet
- Informace v teamu/ organizaci
- Offline dostupnost



b) Content

Správa životního cyklu obsahu

- Taxonomie (metadata)

→ kategorizace
dat

- hodnocení...
- klíčová slova
- štítky

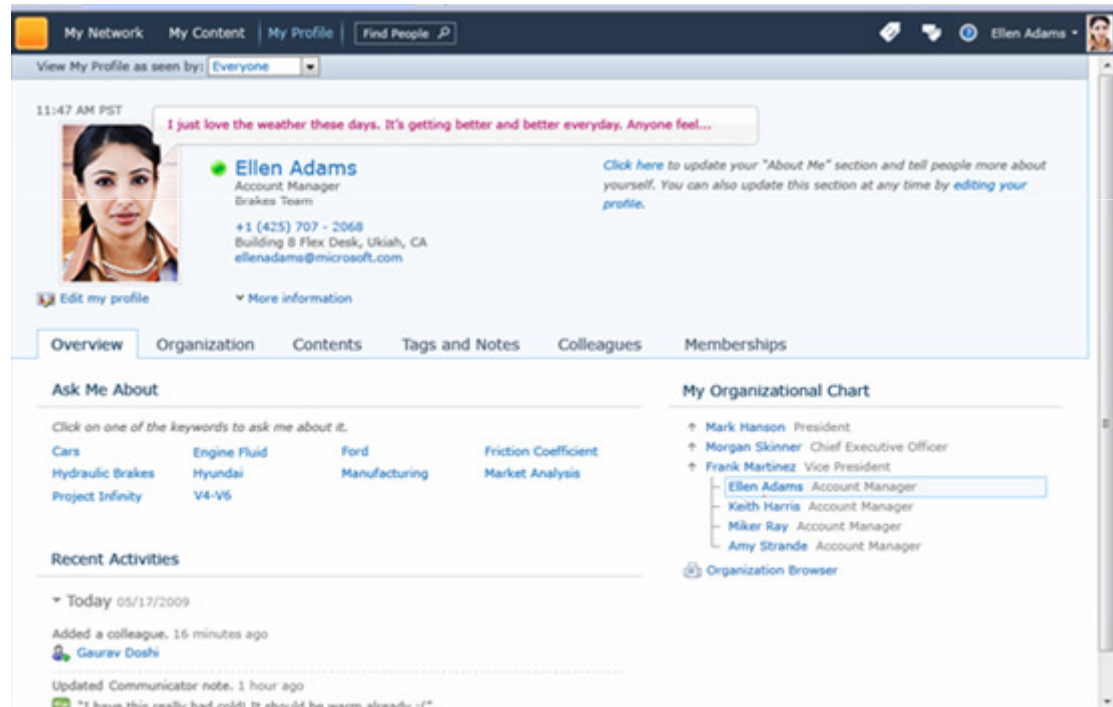
The image shows two screenshots from a SharePoint environment. The left screenshot displays the 'Managed Metadata Service' tree structure. The 'Enterprise Taxonomy' is expanded to show 'Information Technology', which is further expanded to 'Software Applications'. The right screenshot shows a 'Shared Documents' library view for a document named 'How-to-Use-pre-defined-Taxonomy-Met.pdf'. The document's metadata is visible, including the title, enterprise keywords ('software; Software Development; SharePoint; WCMS'), and a list of suggestions for classification, such as 'Software Applications [WAND Enterprise Taxonomy:Information]', 'Software Development [WAND Enterprise Taxonomy:Information]', 'Software Management [WAND Enterprise Taxonomy:Information]', 'Software Programming [WAND Enterprise Taxonomy:Information]', 'Software Studies [WAND Enterprise Taxonomy:Information Tech]', 'Software Support [WAND Enterprise Taxonomy:Information Tech]', 'Software Testing [WAND Enterprise Taxonomy:Information Tech]', and 'Software-Design [Keywords]'. The document was created on 3/26/2010 at 5:16 PM by Frank and last modified on 3/26/2010 at 5:17 PM by Frank. A watermark 'www.layer2.de' is visible in the bottom right corner of the right screenshot.



c) Communities

Sociální prvky, kolaborace

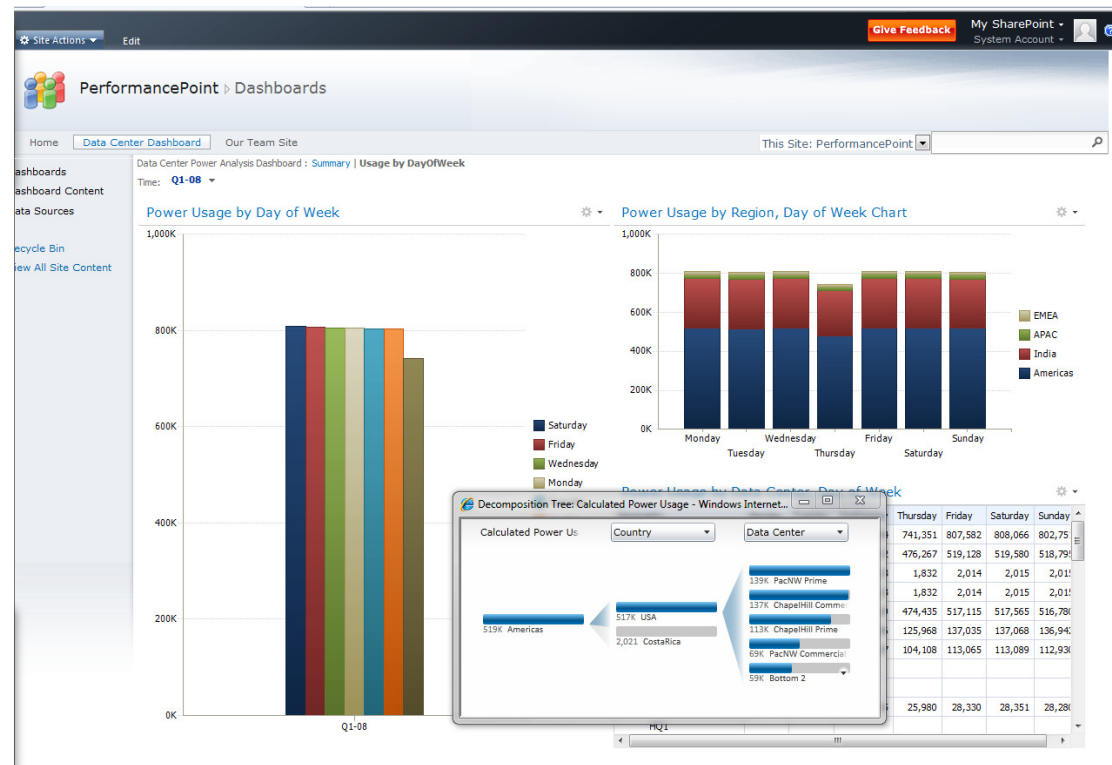
- Blogy
- MySite



d) Insights

Business Intelligence

- Dashboard
- KPIs
- Reporty
- Excel, Visio



e) Composities

Dynamická business řešení

- Business Connectivity Services
- Access, Visio
- XSLT, InfoPath
- Workflows

The screenshot displays the Microsoft SharePoint Designer interface for configuring an External Content Type (ECT) named 'ProductReviews'. The interface is divided into several panes:

- Navigation Pane:** Shows the site structure with 'External Content Types' selected.
- External Content Type Information:** Provides key information about the ECT:
 - Name: ProductReviews
 - Display Name: ProductReviews
 - Namespace: http://moss/sites/demos/productreviews
 - Version: 1.1.0.0
 - Identifiers: ProductReviewID(int32)
 - Office Item Type: Task
 - Offline Sync for External List: Enabled
 - External System: AdventureWorks
- Permissions:** Shows the permissions for this ECT, including a table with Name and Permissions columns.
- External Lists:** Shows a table with Name and URL columns, listing external lists bound to this ECT.
- Fields:** Shows a table with Field Name and Type columns, listing fields defined in the operations of this ECT.
- External Content Type Operations:** Shows a table with Name, Type, and Data Source Object columns, listing operations for the ECT.

A warning message is displayed: "The Office item type for this External Content Type is not matching the Office property mappings in the following Read Item operations: Read Item. Edit these operations to fix the Office property mappings."

f) Search

Vyhledávání podnikových informací

- Preview vyhledaných dokumentů
- Kontext
- Podobné výsledky
- Fonetické vyhledávání

The screenshot shows a SharePoint search results page for the query 'accounting joe'. The page is titled 'Sharepoint Search > People Search Results' and shows '1-3 of 3 results'. The search results are displayed in a list format, with each result showing a profile picture, name, title, phone number, email, and a brief 'About Me' bio. The results are:

- Jill Frank**, Accountant, Accounting (206) 555-9559, jillf@contoso.com. Bio: 'The Lean Process Improvement project utilized my data mining skills. I have been in the Accounting field for over 10 years.' Responsibilities: High Attention to Detail, Data Mining, Financial Analysis.
- Joel Lachance**, Accountant, Accounting (206) 555-6848, joell@contoso.com. Bio: 'I recently participated on the SOX Compliance Roadmap Project. I have experience data mining which utilized my high attention to detail skills.' Responsibilities: High Attention to Detail, Data Mining, Financial Analysis.
- Jeff Low**, Accountant, Accounting (206) 555-7777, Jeff.Low@contoso.com. Bio: 'High Attention to Detail, Data Mining, Financial Analysis, SAP Functional Knowledge.' Responsibilities: Mountain Bikes.

The page also features a left-hand navigation pane with various filters such as 'Focus', 'All', 'Name', 'Expertise', 'Interests', 'Dogs', 'Football', 'Running', 'Past projects', 'Schools', etc. The top right corner shows the user's account as 'System Account'.

3. Business Case

- a) Rozpočet
- b) Hard ROI
- c) Soft ROI
- d) Ostatní



a) Rozpočet

Verze:

Foundation x Standard x Enterprise



Levnější než konkurence

Platforma	Cena
EMC/Documentum	\$129,076
OpenText	\$196,754
Sharepoint	\$24,659
Oracle	\$21,350



Ceny licenci

Licence	Cena	PID
SharePoint 2010 Server Enterprise	\$4,926	76P-01199
Standard User CAL	\$95	76M-01349
Standard Device CAL	\$95	76M-01346
User CAL (Additive)	\$83	76N-03435
Enterprise Device CAL (Additive)	\$83	76N-03432
Internet Standard	\$11,793	CLF-00254
Internet Enterprise	\$41,392	CKF-00254

Sharepoint Online

Hostované řešení

\$12,300

(12 měsíců, exchange server, sharepoint standard, 100 uživatelů)



a) Rozpočet

64 bit technologie

Office 2010 ?

3rd party pluginy

Školení



b) Hard ROI

Reálné ušetření zdrojů

Disky - obzvláště oproti SP 2007 (Remote BLOB Storage)

Náklady na přenos dokumentů atd.



Návratnost investic

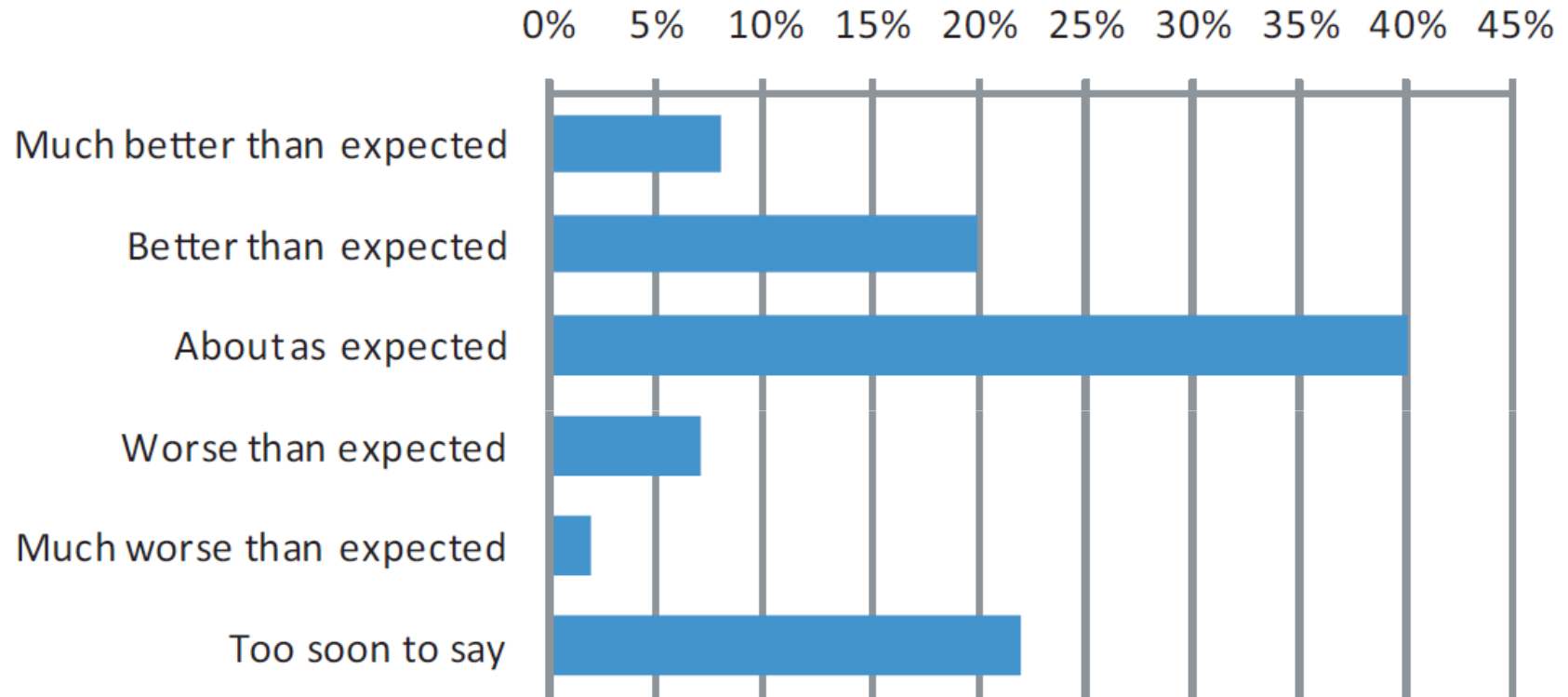


Fig.1: AIIM 2010 SharePoint Report
(358 respondentů)



c) Soft ROI

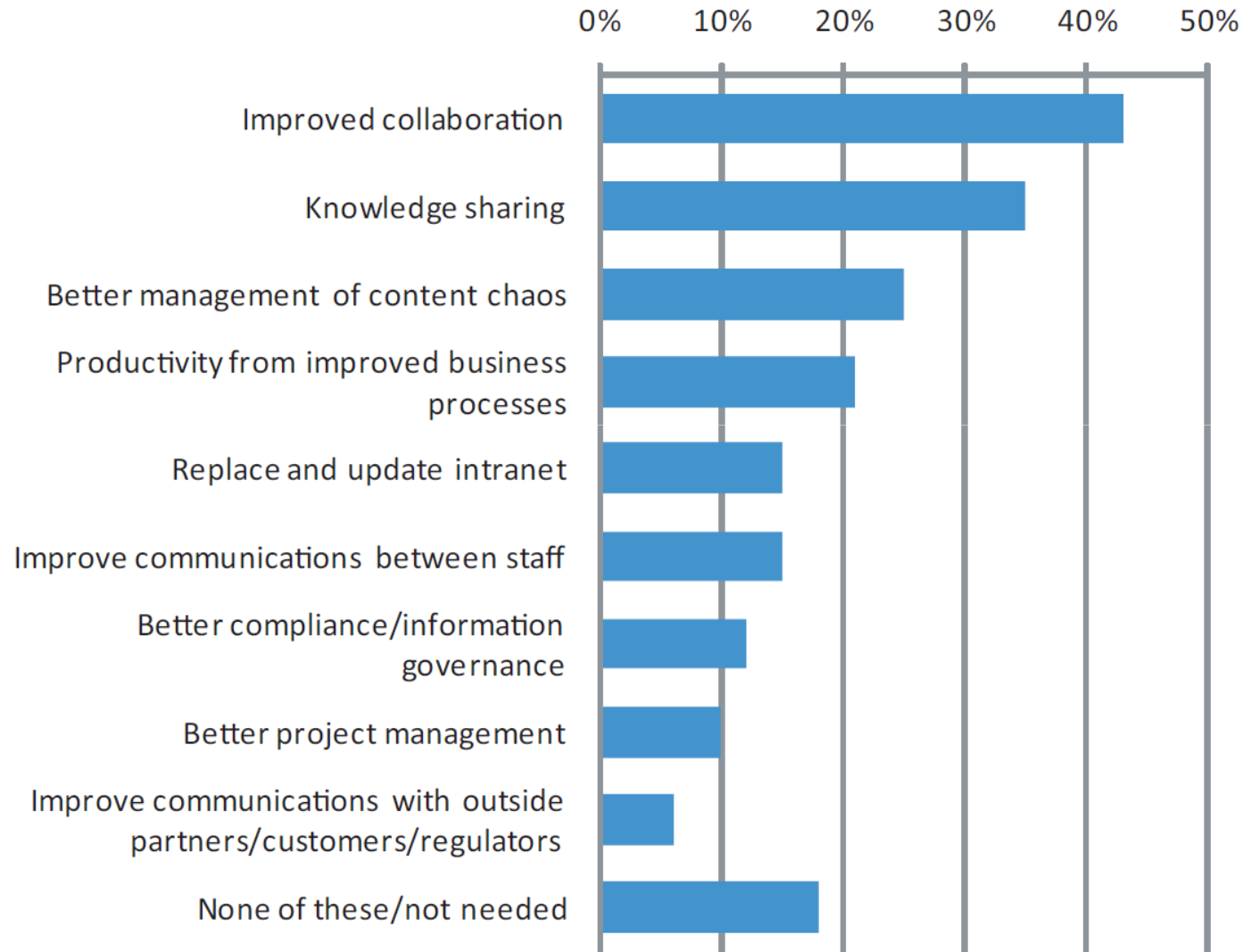


Fig.2: AIIM 2010 SharePoint Report (410 respondentů)



Add-on (v současnosti, příštích 18 měsíců)

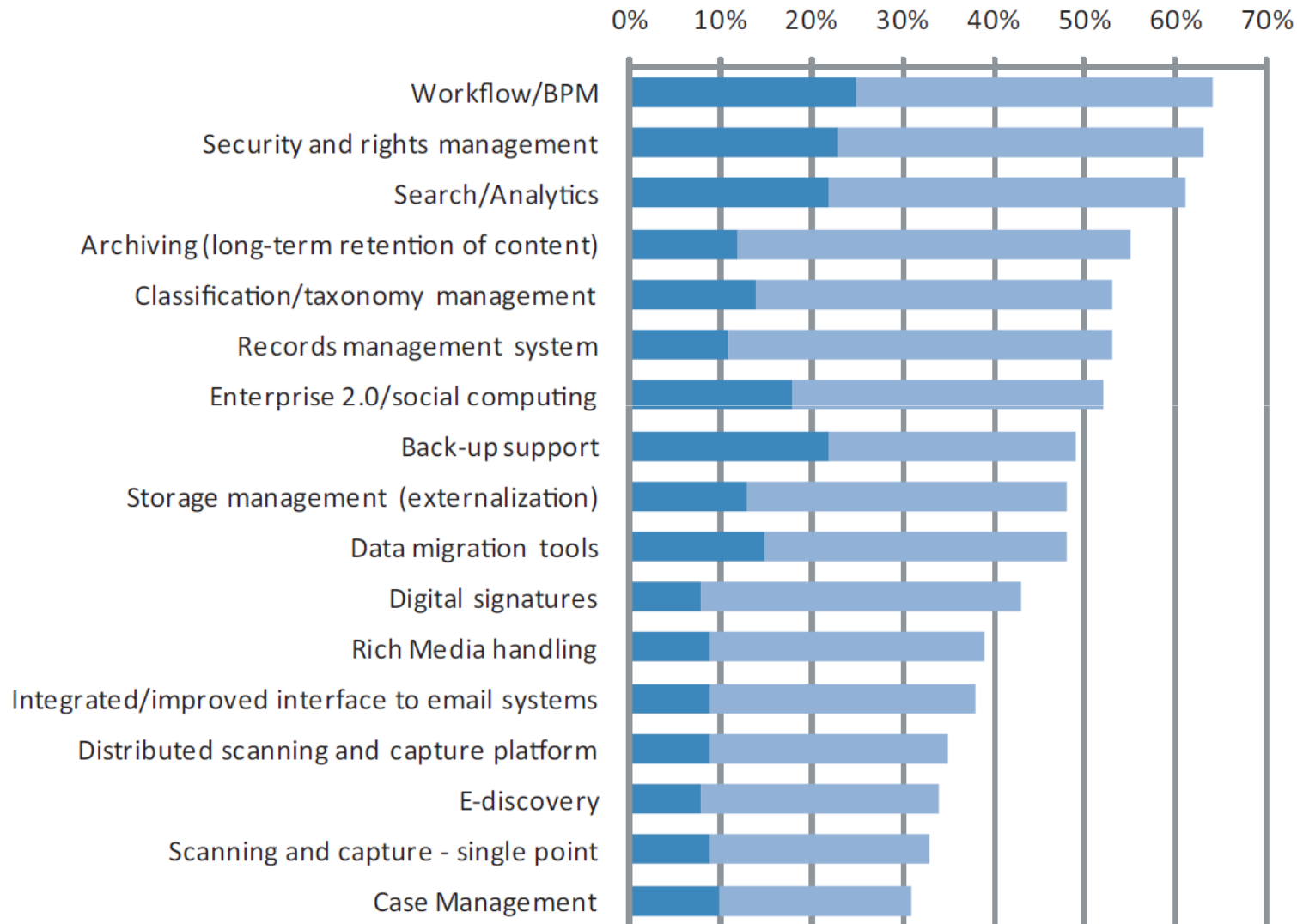


Fig.3: AIIM 2010 SharePoint Report (325 respondentů)



d) Ostatní

Snížení rizik

Add-on funkcionality

Uživatelské prostředí



4. Vývoj nové funkcionality

WYSIWYG

Skriptování

.NET jazyky

Visual Studio

Sharepoint Designer



Skriptování

2001

- není

2003

- STSADM: ~50 operací

2007

- STSADM: ~190 operací

2010

- STSADM: ~180 operací – nepoužívat (deprecated)
- Windows PowerShell: 500+ cmdlets



C# příklad

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Text;  
using Microsoft.SharePoint;  
using Microsoft.SharePoint.Administration;
```

```
namespace ConsoleApplication
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            SPFeatureDefinitionCollection featureDefinitions = SPFarm.Local.FeatureDefinitions;
```

```
            Guid guid = new Guid("0e6ef145-7da2-4924-8de4-f5dc5d0f523b");
```

```
            SPFeatureDefinition featureDefinition = featureDefinitions.Add("Foo\\Feature.xml", guid,  
                true);
```

```
            SPWebApplication webApp = SPWebApplication.Lookup(new Uri("http://contoso"));
```

```
            foreach (SPSite site in webApp.Sites)
```

```
            {
```

```
                site.Features.Add(guid, true);
```

```
            }
```

```
        }
```

```
    }
```

```
}
```



Power Shell

```
Get-SPSite -Limit ALL -WebApplication http://contoso |%  
{  
  Enable-SPFeature 0e6ef145-7da2-4924-8de4-f5dc5d0f523 -url  
    $_.Url  
}
```



Centrální administrace

Site Actions Browse Page CDT-LAPTOP\3fifteen

Microsoft SharePoint 2010 Central Administration

The SharePoint Health Analyzer has detected some critical issues that require your attention. [View these issues.](#)

Central Administration

- Application Management
- System Settings
- Monitoring
- Backup and Restore
- Security
- Upgrade and Migration
- General Application Settings
- Configuration Wizards

Application Management
 Manage web applications
Create site collections
Manage service applications
Manage content databases

Monitoring
 Review problems and solutions
Check job status

Security
 Manage the farm administrators group
Configure service accounts

General Application Settings
 Configure send to connections

System Settings
 Manage servers in this farm
Manage farm features
Configure alternate access mappings

Backup and Restore
 Perform a site collection backup

Upgrade and Migration
 Check product and patch installation status
Check upgrade status

Configuration Wizards

Resources

There are currently no favorite links to display. To add a new link, click "Add new link".

[+ Add new link](#)

Podpora prohlížečů

1. úroveň podpory

Windows XP Windows Vista Windows Server 2003 & 2008	Internet Explorer 7 (32-bit) Internet Explorer 8 (32-bit) Mozilla Firefox 3.5*
Windows 7 Windows Server 2008 R2	Internet Explorer 8 (32-bit) Mozilla Firefox 3.5*

*kromě ActiveX prvků

2. úroveň podpory

Apple Mac OS X Snow Leopard	Apple Safari 4. x Mozilla Firefox 3.5
Windows XP Windows Vista Windows Server 2003 & 2008	Internet Explorer 7 (64-bit) Internet Explorer 8 (64-bit)
Windows 7 Windows Server 2008 R2	Internet Explorer 8 (64-bit)
UNIX/Linux 8.1	Mozilla Firefox 3.5

Demo 1

Visual Web Part & Visual Studio 2010



Demo 2

Business Connectivity Services & Sharepoint Designer



„Mnoho IT manažerů vidí Sharepoint jako krabicový produkt, který je možno implementovat v řádu hodin nebo dní. Ve skutečnosti je ale SharePoint korporátní IT platforma, ke které je nutné adekvátně přistupovat.“



„Často se mění ti, kdož jsou stáli ve štěstí a moudrosti.“

-Confucius

