

Kentico - Upgrade to Kentico 9




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about me

- From the great State of Alaska
- User Experience Aficionado
- Been building websites since 1998
- Been working with Kentico since 2005
- Blog: <http://www.highmonkey.com/blog>
- Twitter: @vcmonkey



CREDENTIALS

- **TITLE:** CEO / Technology Architect
- **EDUCATION:**
 - Instructional Design - M.Ed
 - Athletic Trainer - Certification
 - Physical Education - BS
- **CAREER 'HATS' WORN:**
 - President / CEO
 - Motivational Speaker
 - Programmer / Developer
 - Certified Athletic Trainer
 - Adjunct Professor
 - Instructional Designer
- **INTERESTS:**
 - The Steelers and Star Wars;
there's no better combo.

about high monkey

- Been around since 1998
- Based in Minnesota
- Clients throughout the US and Canada
- Core Competencies
 - Web and interface design
 - Kentico / CMS consulting
 - User Experience
 - SharePoint

Kentico upgrade considerations

- You can't jump the shark (though maybe in the future)
- There are things that will not upgrade
 - Previous versions in version history
 - Custom code that is compiled (needs to be re-compiled against new Kentico version classes)
- Changes you need to know
 - .NET 4.5 only
 - Enclose your code in regions to avoid false positives
 - Performance improvements are significant

Kentico upgrade considerations

- Upgrade paths
 - LOTS OF CHANGES to learn
 - 8.2 to 9 – pretty painless
 - 7 to 9 – Very painful, but doable
 - 7 -> 8.0 -> 8.1 -> 8.2 > 9.0
 - 6 and below – lets talk
 - There may be hope

Kentico upgrade considerations

- 8.2 -> 9 has some important changes
 - Re-created Tree Join view (could break a lot of implementations)
 - Did away with published flag in SQL, available in DocumentQuery
 - No more page type specific Tree Join Views
 - Removed several old, not well adopted web parts & widgets
 - Articles, some RSS feeds, etc..
 - MVC is different and existing projects will have to be created a new

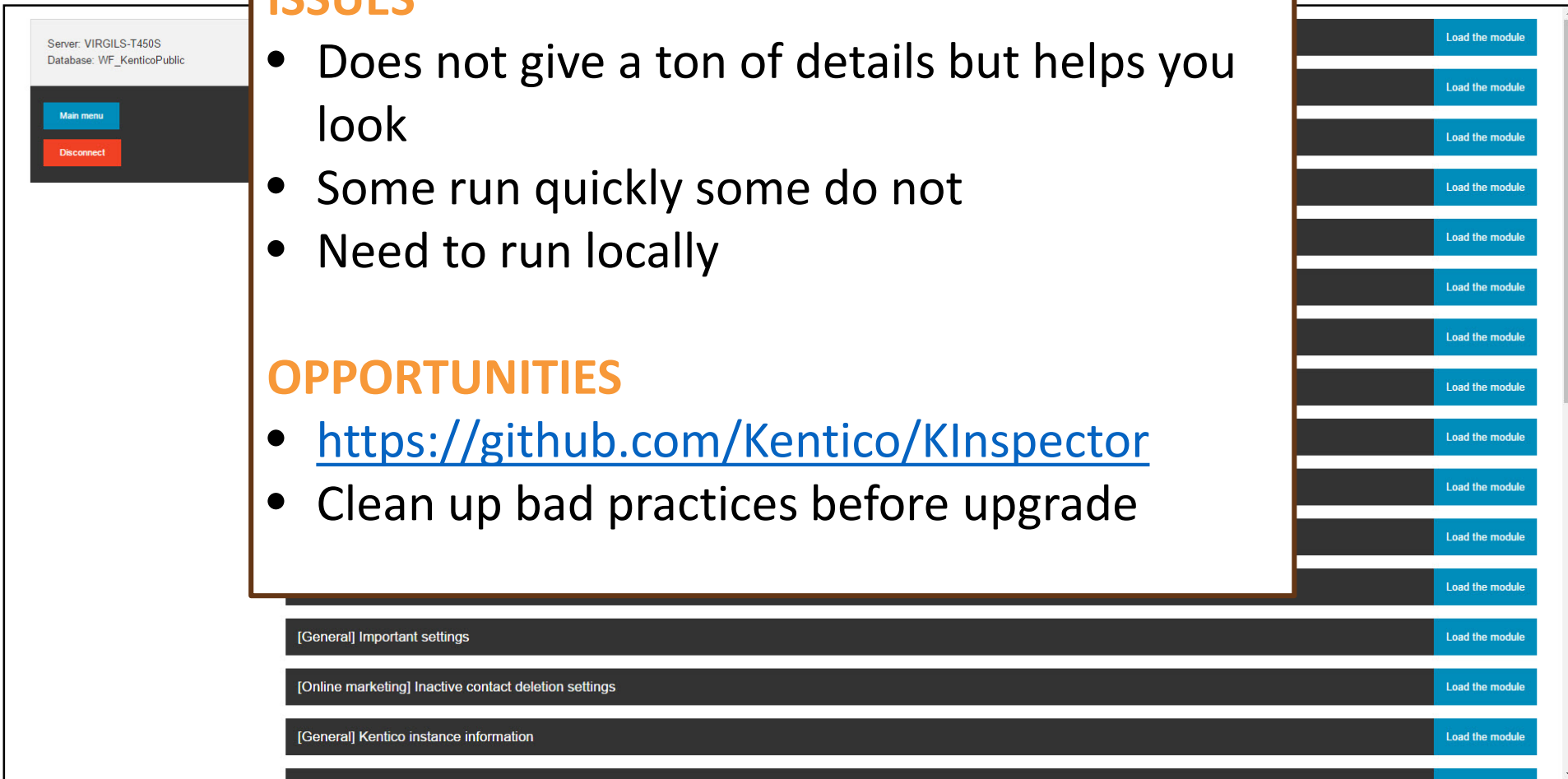
Kentico upgrade considerations

- Design stuff
 - All should carry forward, no real changes
 - Updated script files
- The Cloud – UGHHH
 - Have to plan very well (web apps, VMs are fine)
 - DO NOT UPGRADE IN THE CLOUD
 - Process
 - Pull down a copy of your entire site
 - Upgrade locally
 - Push back to the cloud
 - Want to be totally sure – push to another instance

Kentico upgrade – Steps to Success

- Leave existing in place – but freeze changes
- Test for upgrade issues
 - Upgrade tool
 - Evaluate aspects that might break
 - Did you create custom SQL queries?
- Perform upgrade
- Complete fixes
- Deploy anew

Kentico Upgrade Tool - Prior



The screenshot shows a web application interface for the Kentico Upgrade Tool. At the top left, it displays 'Server: VIRGILS-T450S' and 'Database: WF_KenticoPublic'. Below this are two buttons: 'Main menu' (blue) and 'Disconnect' (red). The main content area is a list of modules, each with a 'Load the module' button. The list includes:

- [General] Important settings
- [Online marketing] Inactive contact deletion settings
- [General] Kentico instance information

The interface is partially obscured by a central text box containing the following content:

ISSUES

- Does not give a ton of details but helps you look
- Some run quickly some do not
- Need to run locally

OPPORTUNITIES

- <https://github.com/Kentico/KInspector>
- Clean up bad practices before upgrade

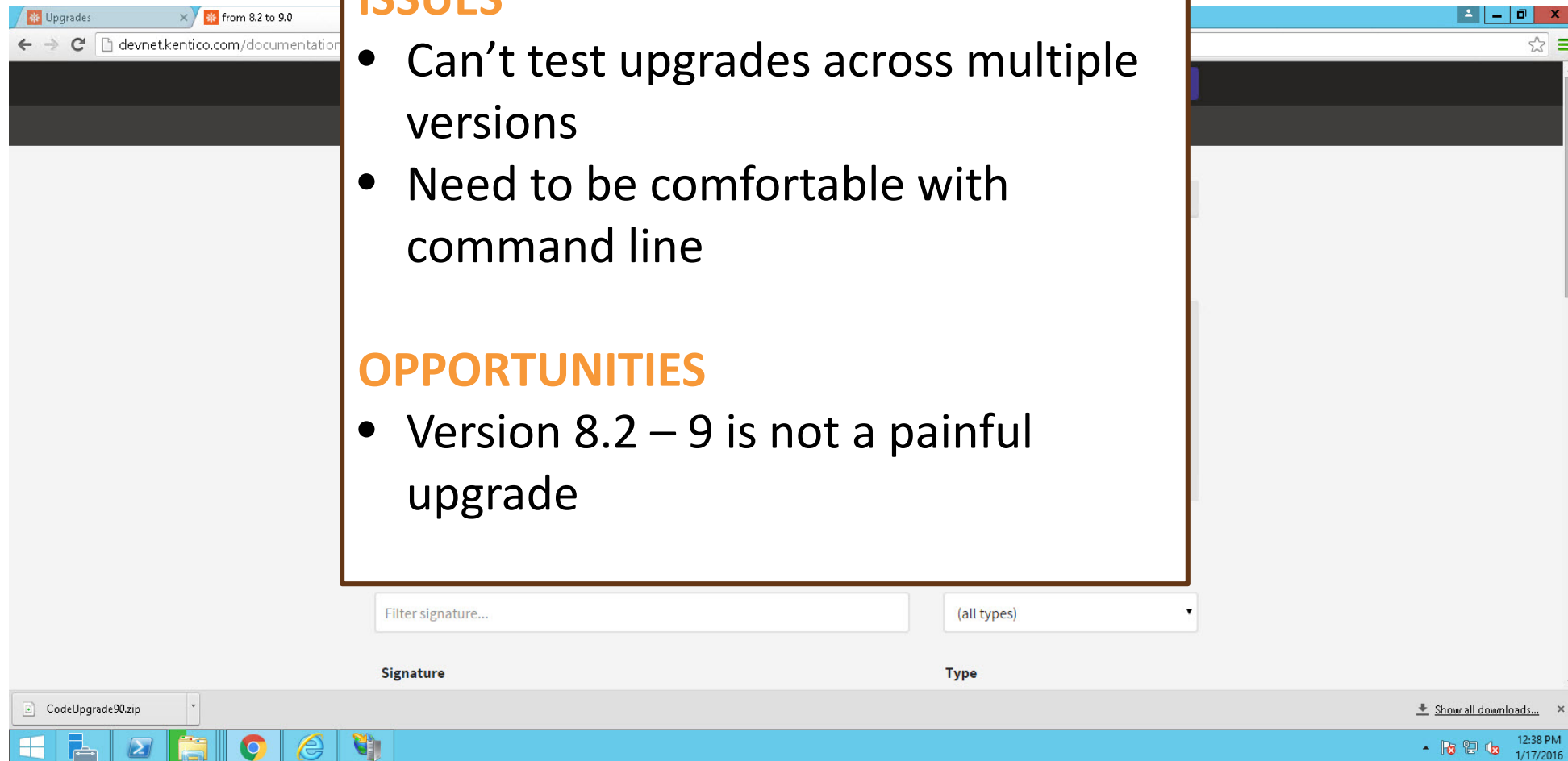
Kentico Upgrade Tool

ISSUES

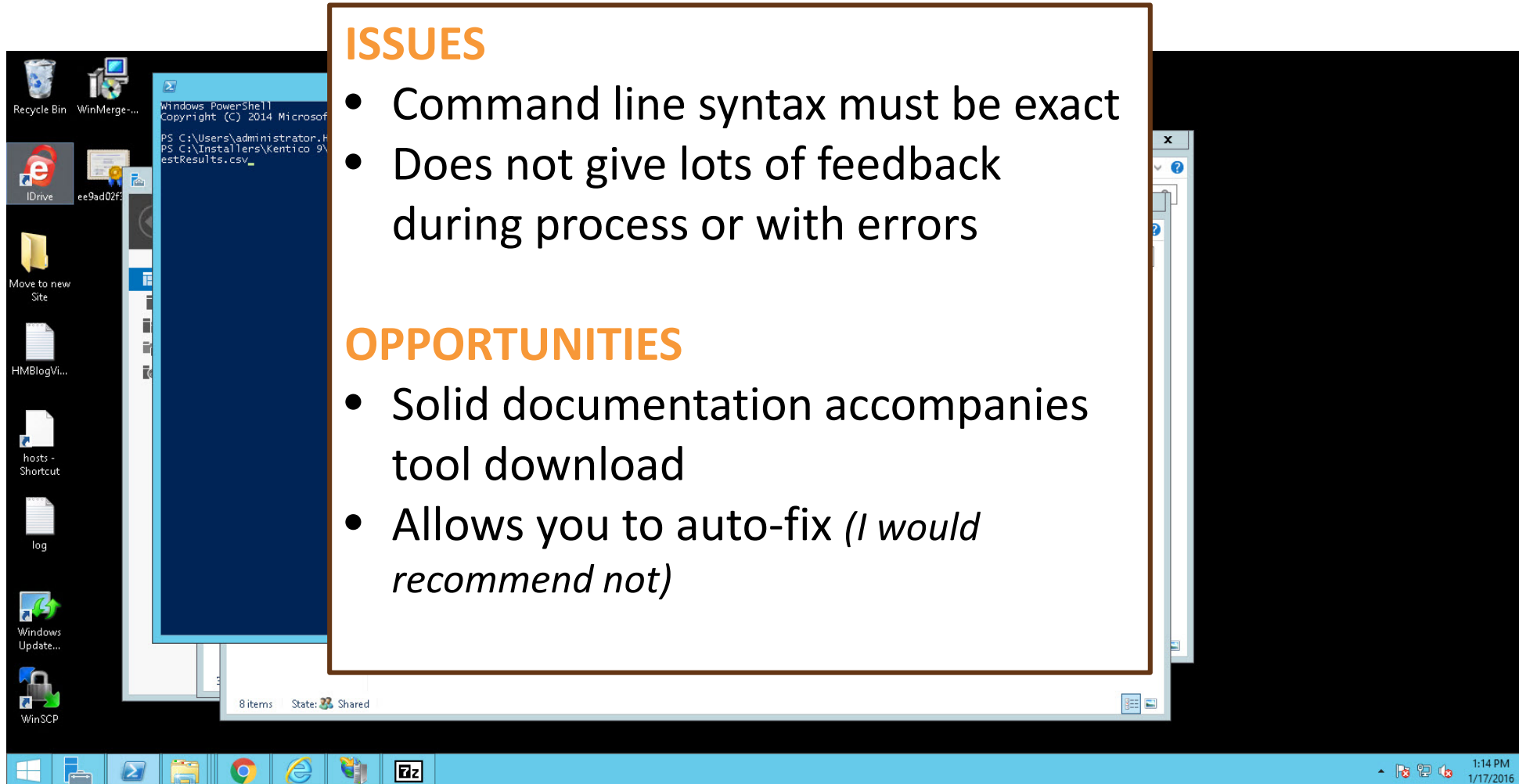
- Can't test upgrades across multiple versions
- Need to be comfortable with command line

OPPORTUNITIES

- Version 8.2 – 9 is not a painful upgrade



Kentico Upgrade Tool - Start



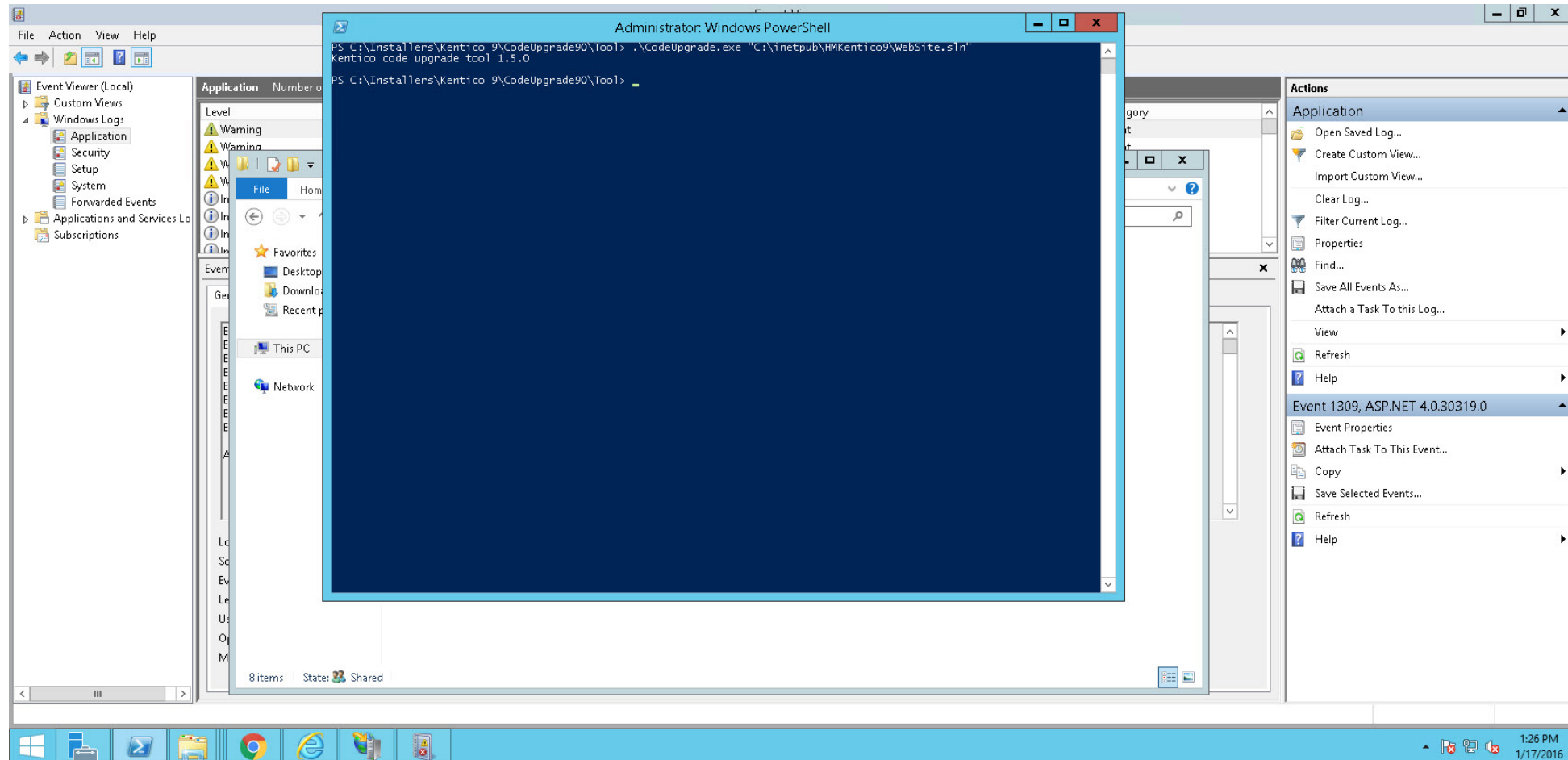
ISSUES

- Command line syntax must be exact
- Does not give lots of feedback during process or with errors

OPPORTUNITIES

- Solid documentation accompanies tool download
- Allows you to auto-fix (*I would recommend not*)

Kentico Upgrade Tool - Stop



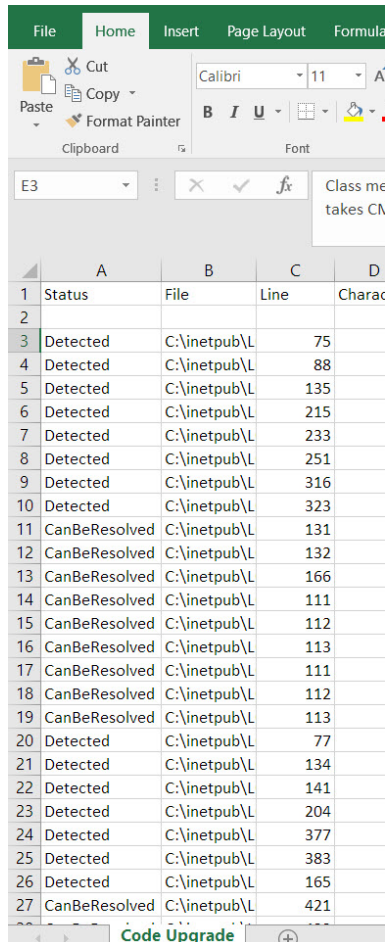
Kentico Upgrade Tool - Report

ISSUES

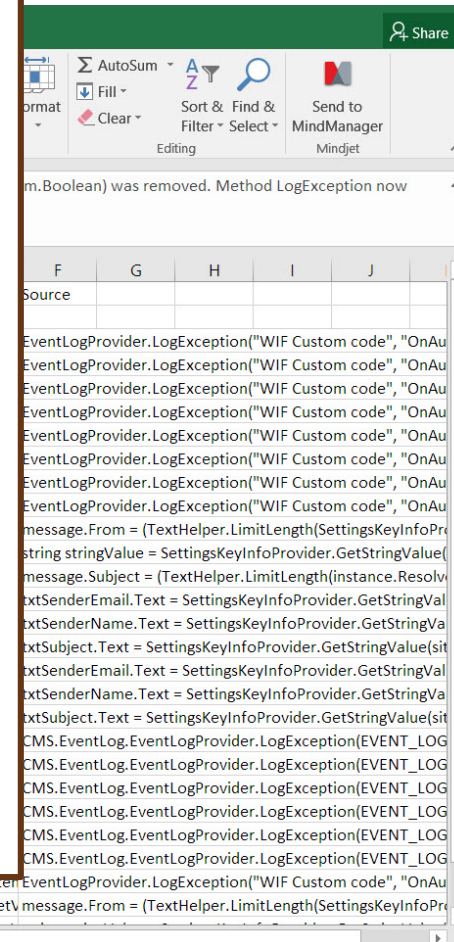
- Have to be a developer to read and understand
- Very manual fix process
 - Keep a backup
 - Comment on your changes

OPPORTUNITIES

- Provides good developer descriptions that takes the guess work out...for the most part



	A	B	C	D
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4	Detected	C:\inetpub\wwwroot\	88	
5	Detected	C:\inetpub\wwwroot\	135	
6	Detected	C:\inetpub\wwwroot\	215	
7	Detected	C:\inetpub\wwwroot\	233	
8	Detected	C:\inetpub\wwwroot\	251	
9	Detected	C:\inetpub\wwwroot\	316	
10	Detected	C:\inetpub\wwwroot\	323	
11	CanBeResolved	C:\inetpub\wwwroot\	131	
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13	CanBeResolved	C:\inetpub\wwwroot\	166	
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15	CanBeResolved	C:\inetpub\wwwroot\	112	
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19	CanBeResolved	C:\inetpub\wwwroot\	113	
20	Detected	C:\inetpub\wwwroot\	77	
21	Detected	C:\inetpub\wwwroot\	134	
22	Detected	C:\inetpub\wwwroot\	141	
23	Detected	C:\inetpub\wwwroot\	204	
24	Detected	C:\inetpub\wwwroot\	377	
25	Detected	C:\inetpub\wwwroot\	383	
26	Detected	C:\inetpub\wwwroot\	165	
27	CanBeResolved	C:\inetpub\wwwroot\	421	



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txtSubject.Text = SettingsKeyInfoProvider.GetStringValue(sit
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Kentico 9 Upgrade

devnet.kentico.com/download/upgrades

Kentico Devnet Search... Register Sign in

Articles Questions & Answers Download Documentation Support Marketplace

Hotfixes Upgrades Localization Packs

Upgrades

If you need to upgrade your existing installation, please download the following upgrade procedures, unpack them and follow the instructions. Please note: The upgrade procedures are **not** cumulative and you may need to use several upgrade procedures if you're using an old version of Kentico.

Kentico 9.0

- [Kentico 8.2 to 9.0](#) (Release Notes, [Upgrade Instructions](#), Code Upgrade Tool)
- [Additional packages:](#)
 - [Web part and widget recovery](#)
 - [Document library recovery](#)
 - [Project management recovery](#)
 - [Project management database cleanup](#)

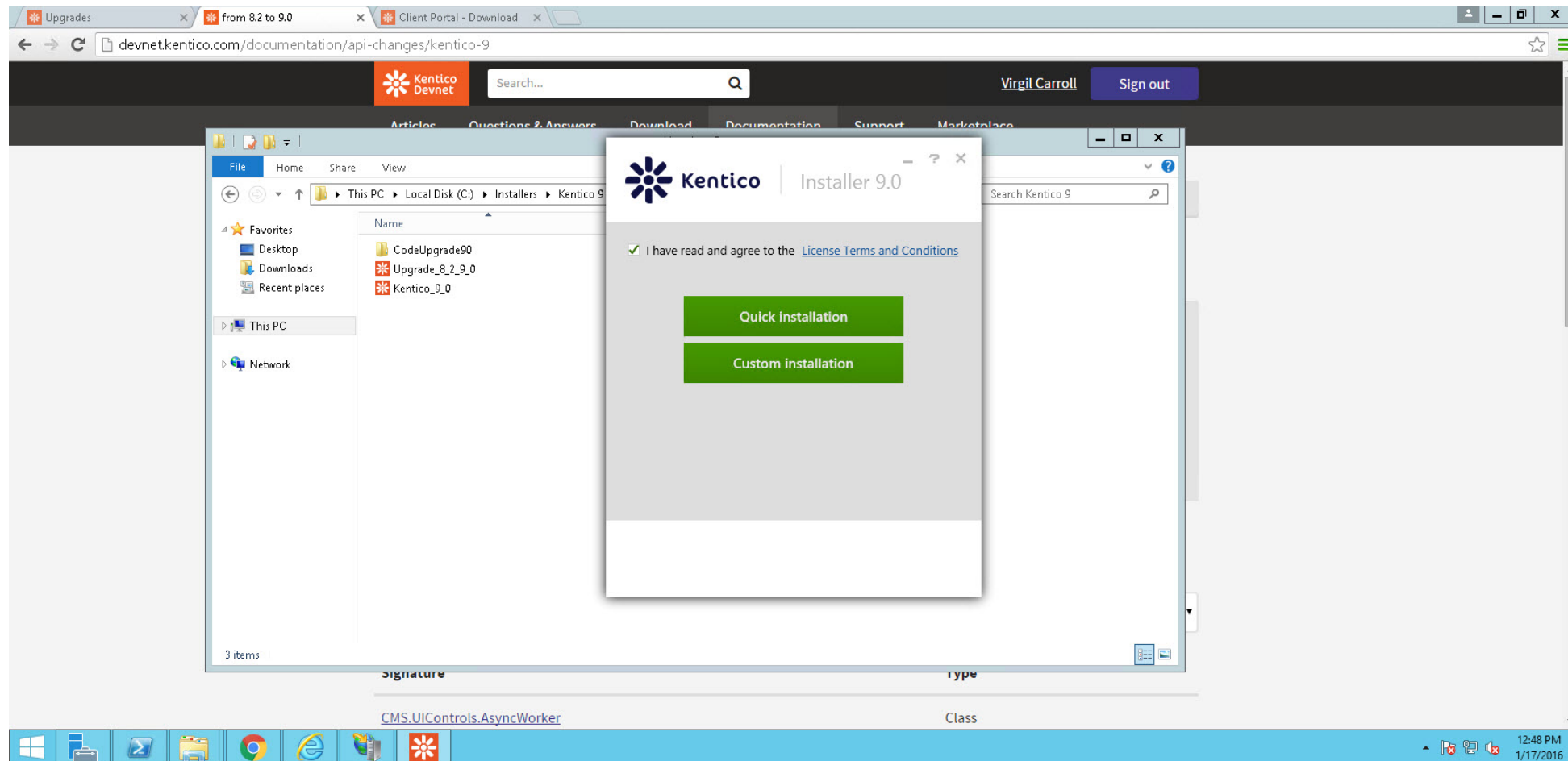
Kentico 8.x

- [Kentico 8.1 to 8.2](#) (Release Notes, [Upgrade Instructions](#), Code Upgrade Tool)
- [Kentico 8.0 to 8.1](#) (Release Notes, [Upgrade Instructions](#), Code Upgrade Tool)

CodeUpgrade90.zip Show all downloads...

12:38 PM 1/17/2016

Kentico 9 Upgrade – Go Custom



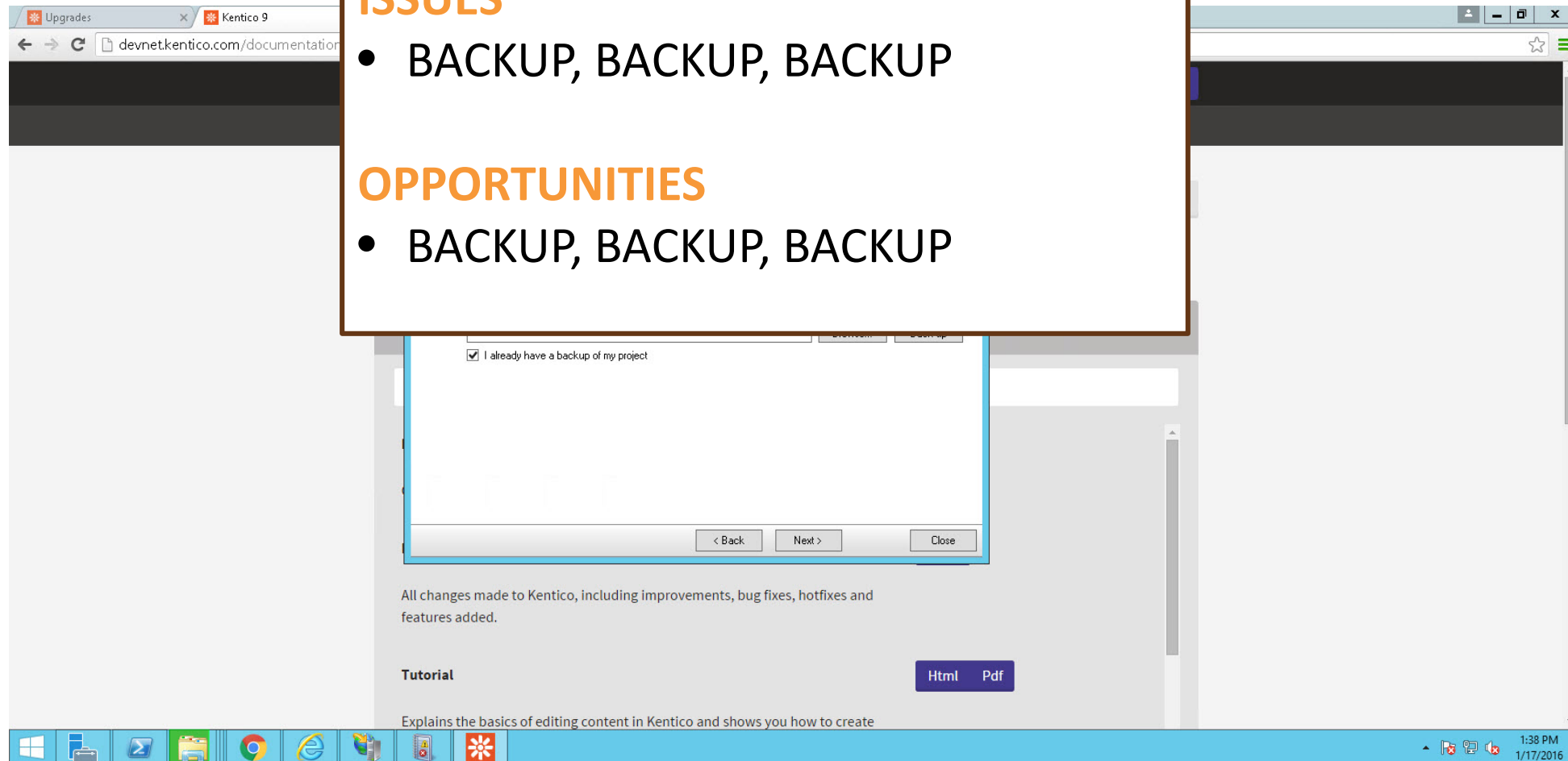
Kentico 9 Upgrade – Backup files

ISSUES

- BACKUP, BACKUP, BACKUP

OPPORTUNITIES

- BACKUP, BACKUP, BACKUP



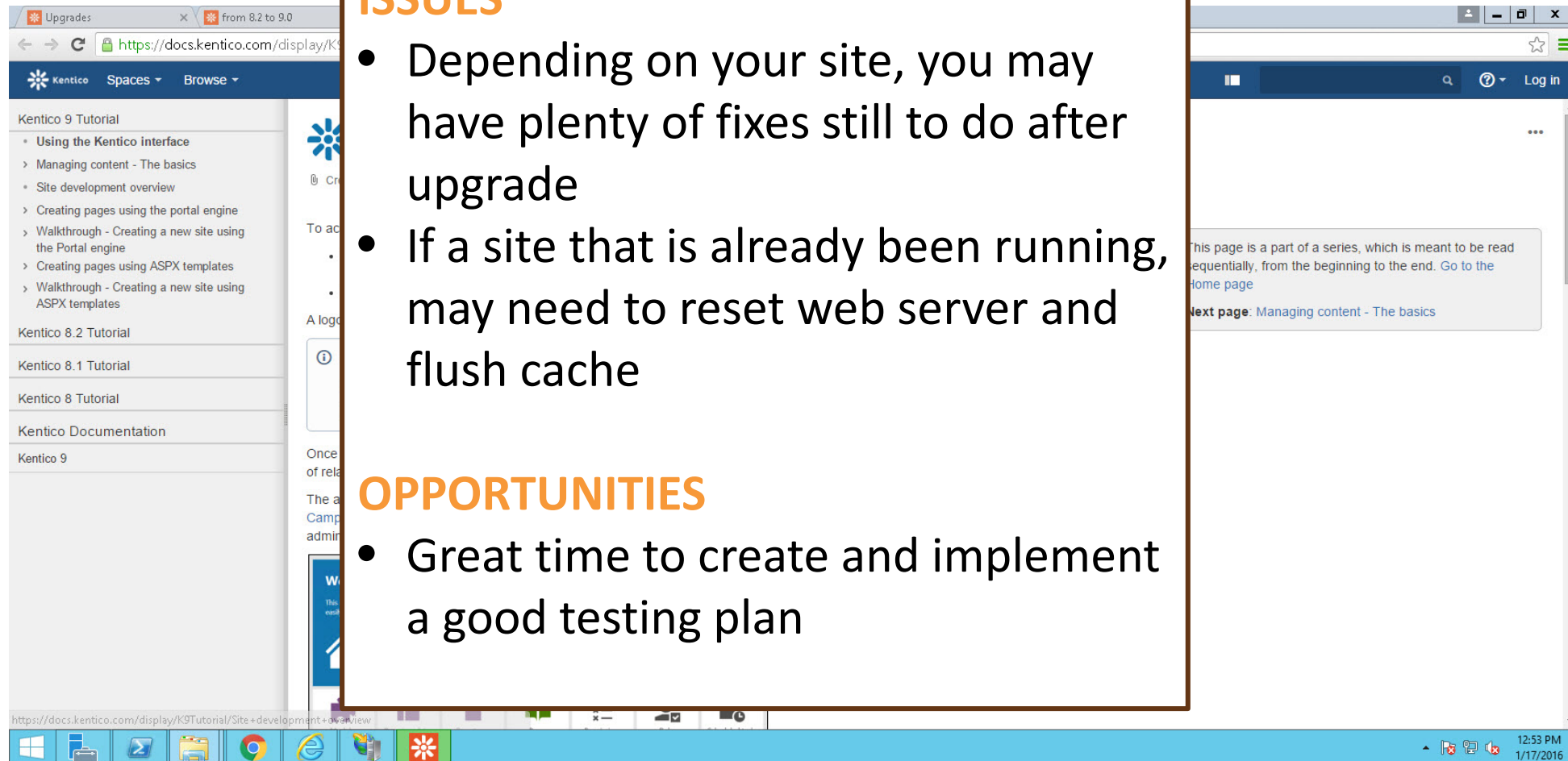
Kentico 9 Upgrade - Final

ISSUES

- Depending on your site, you may have plenty of fixes still to do after upgrade
- If a site that is already been running, may need to reset web server and flush cache

OPPORTUNITIES

- Great time to create and implement a good testing plan



Kentico 9 Upgrade – Not Upgraded

The screenshot shows a web browser window with the URL <https://docs.kentico.com/display/K9/Upgrading+to+Kentico+9>. The page content includes a navigation menu on the left and a main article area. A dialog box titled "Kentico Upgrade Utility" is overlaid on the page. The dialog box has a "Finish" button and a warning icon. The warning text reads: "Upgrade was applied but modified files were found. The application was left in offline mode." Below the warning, there is a text box containing the path "~\CMS\Naviconico" and a "Close" button. The background page content is partially obscured by the dialog box.

Kentico 9 Upgrade – new file structure

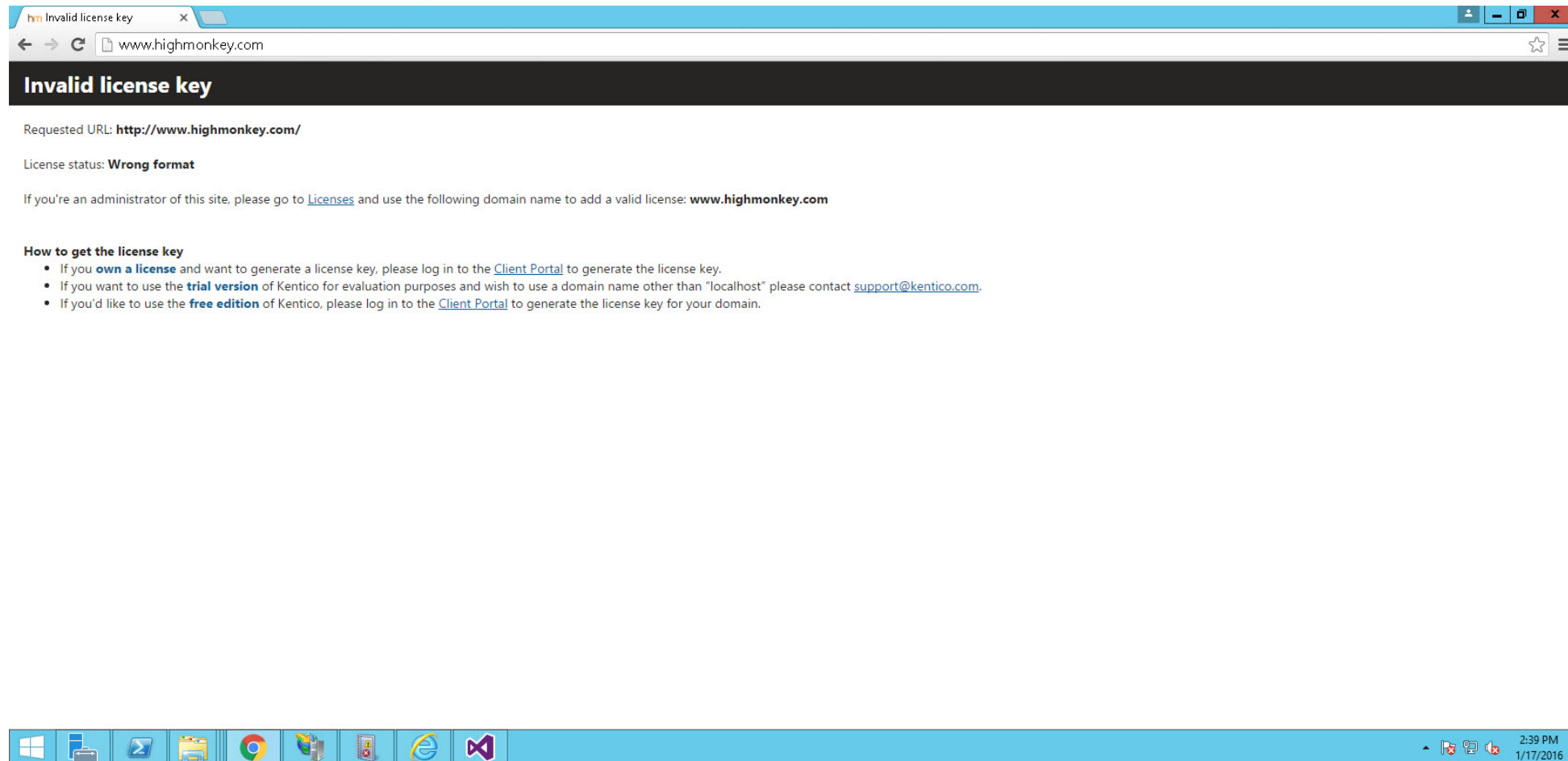
The screenshot shows a web browser window with the URL <https://docs.kentico.com/display/K9/Upgrading+to+Kentico+9>. The page content includes a navigation menu on the left and a main article titled "Running the website - First request". The article text is partially obscured by a Windows File Explorer window titled "HMKentico9".

The File Explorer window shows the directory structure of the upgraded website:

Name	Date modified	Type	Size
CMS	1/17/2016 1:42 PM	File folder	
Lib	1/17/2016 1:42 PM	File folder	
packages	1/17/2016 1:05 PM	File folder	
GlobalAssemblyInfo	11/19/2015 5:02 PM	CS File	1 KB
log	1/17/2016 1:43 PM	Text Document	755 KB
rmodified	1/17/2016 1:43 PM	Text Document	1 KB
Sample	8/18/2014 7:00 AM	Visual Studio Test ...	1 KB
web	6/9/2015 1:29 PM	CONFIG File	1 KB
Web Site	1/17/2016 1:42 PM	Microsoft Visual S...	16 KB

The background documentation page includes sections for "Licenses" and "Removed page data columns".

Kentico 9 Upgrade – change license



Kentico 9 – Install

The screenshot shows the Kentico Client Portal interface. The browser address bar displays 'https://client.kentico.com/download'. The left sidebar contains navigation links: Clients, Licenses, Free edition, Download (highlighted), and Security Newsletter. The main content area shows a list of Kentico versions: Kentico 8.2, Kentico 8.1, and Kentico 8.0, each with a download icon. A 'Close' button is visible above the list. The Windows taskbar at the bottom shows the system tray with the date '1/17/2016' and time '12:38 PM'. A file named 'CodeUpgrade90.zip' is visible in the download bar.

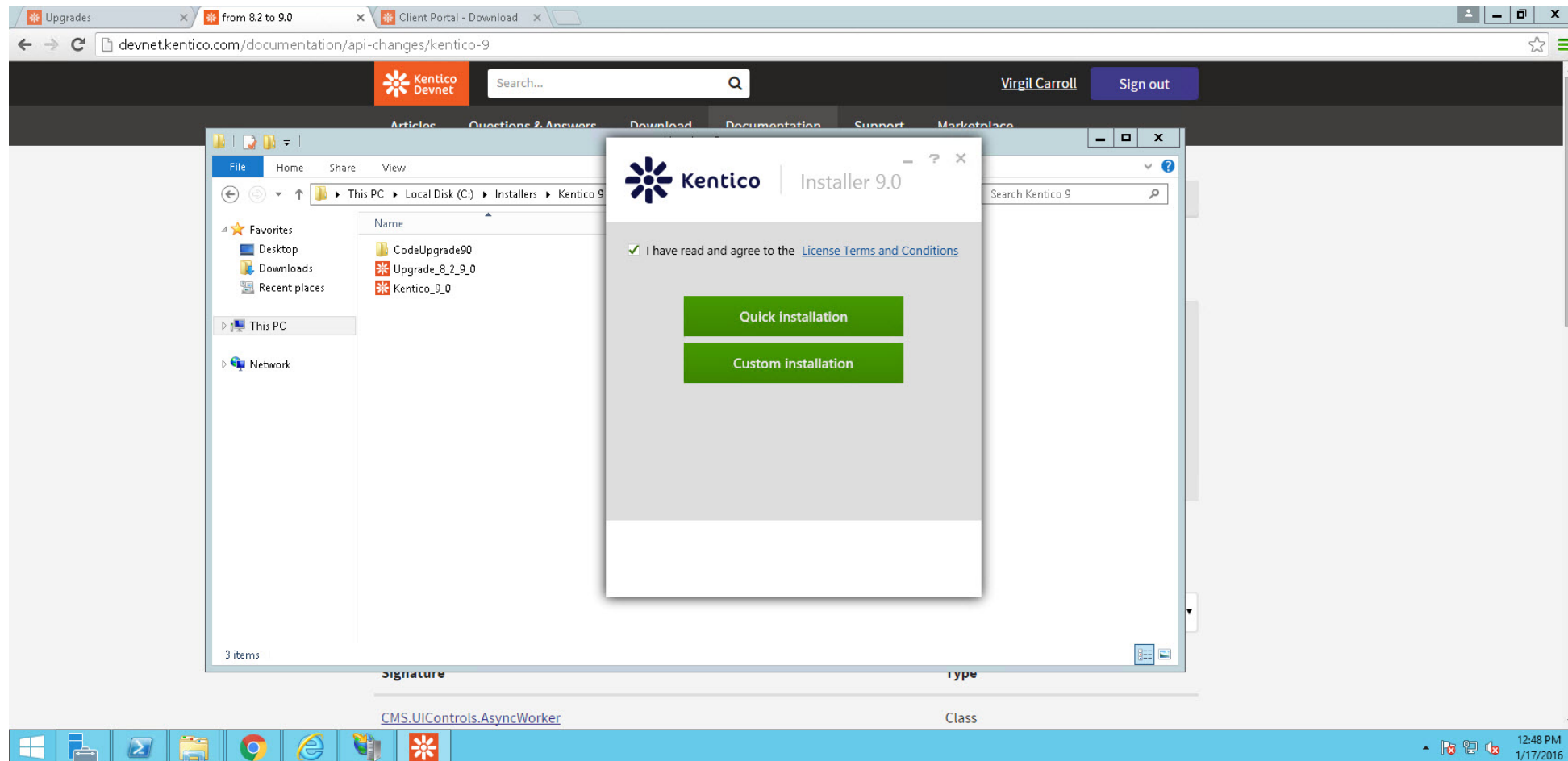
ISSUES

- Upgrading does not add server side tools

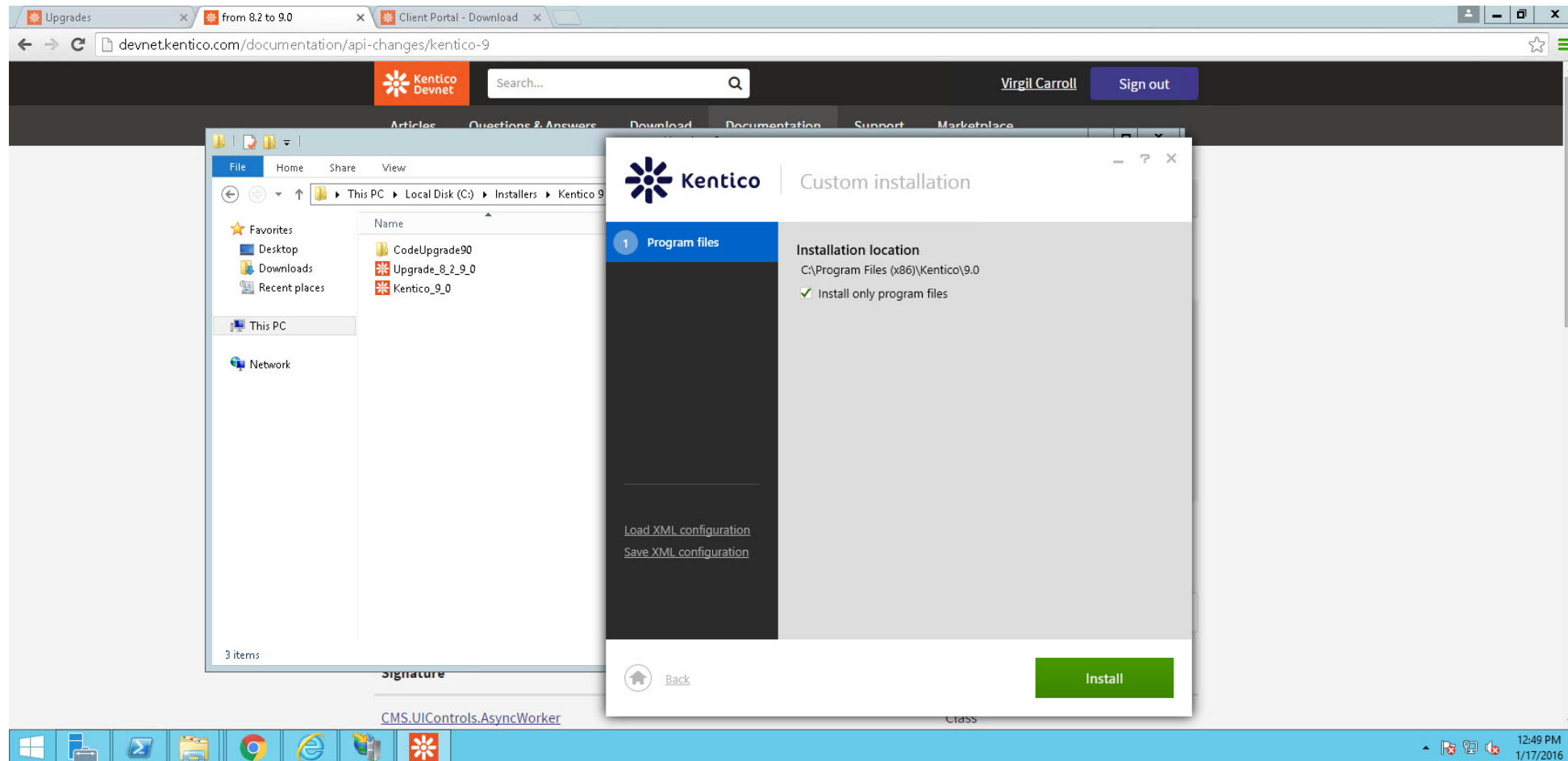
OPPORTUNITIES

- Install for hotfix, management tool support

Kentico 9 – start install



Kentico 9 – Install only program files



Kentico 9 – finish

The screenshot shows a web browser window with several tabs open, including 'Upgrades', 'from 8.2 to 9.0', 'Client Portal - Download', and 'Using the Kentico interface'. The address bar shows the URL: <https://docs.kentico.com/display/K9Tutorial/Using+the+Kentico+interface;jsessionid=25225E8FDE75802D08FA3D9F2D87AA2D>. The page content is a tutorial titled 'Using the Kentico interface' with a sidebar on the left containing a table of contents. A modal dialog box is centered on the screen, titled 'Installation finished successfully'. The dialog has a green checkmark icon and contains the following text: 'New to Kentico? The default user name is administrator, password leave out blank. Learn Kentico step by step with our [video tutorial](#)'. Below the text is a progress bar labeled '100% complete' and a green 'Finish' button. The background page shows a 'Welcome to Kentico' dashboard with various application tiles like 'CSS stylesheets', 'Custom tables', 'Debug', 'E-mail queue', 'Event log', 'Forms', 'Licenses', and 'Media libraries'. The Windows taskbar at the bottom shows the time as 12:53 PM on 1/17/2016.

Upgrades from 8.2 to 9.0 Client Portal - Download Using the Kentico interface

https://docs.kentico.com/display/K9Tutorial/Using+the+Kentico+interface;jsessionid=25225E8FDE75802D08FA3D9F2D87AA2D

Kentico Spaces Browse

Kentico 9 Tutorial

- Using the Kentico interface
- Managing content - The basics
- Site development overview
- Creating pages using the portal engine
- Walkthrough - Creating a new site using the Portal engine
- Creating pages using ASPX templates
- Walkthrough - Creating a new site using ASPX templates

Kentico 8.2 Tutorial

Kentico 8.1 Tutorial

Kentico 8 Tutorial

Kentico Documentation

Kentico 9

Kentico 9 Tutorial Using the Kentico interface

Created by David Beňovský

To access the Kentico administration interface:

- Type `/Admin` after your site URL.
- OR
- Click the **Administration** icon in the header.

A logon page appears when you click the **Administration** icon.

Default user name and password

The default user name is `administrator`. The password is `administrator`. It is highly recommended to change the default password.

Once you log in, the Kentico administration interface is displayed. Each application represents a group of related functions. Applications are used to manage content, create pages, and manage the site.

The application dashboard is displayed. Each application represents a group of related functions. Applications are used to manage content, create pages, and manage the site.

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ed objects, such as Forms or Campaigns. Applications are used to manage content, create pages, and manage the site.

page that opens when you log into the administration interface. You can click the **Administration** icon on the header.

This page is a part of a series, which is meant to be read sequentially, from the beginning to the end. [Go to the Home page](#)

Next page: [Managing content - The basics](#)

Installation finished successfully

New to Kentico? The default user name is administrator, password leave out blank. Learn Kentico step by step with our [video tutorial](#)

100% complete

Finish

Welcome to Kentico

This is your Application Dashboard, where you can easily access the most important applications.

Review all applications Data help

CSS stylesheets Custom tables Debug E-mail queue

Event log Forms 23 Forms submitted in the last 7 days Licenses Media libraries

https://docs.kentico.com/display/K9Tutorial/Site+development+overview

12:53 PM 1/17/2016

questions??

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