

IEDigest V1.1.0

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<http://www.iedigest.com>

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What is it?

IEDigest has been designed for collecting and comparing Internet Explorer settings. You probably also heard about tools like IEREGSET and IEDiag which also can be used to collect data.

So let's have a look at the differences between those tools.

Differences to other tools

IEDigest and IEREGSET

- Using XML + XSLT and not HTML as output format. The XML format is compatible to the one used by IEDiag
- User interface available
- Policy report

IEDigest and IEDiag

You probably do know that there is already a tool which collects Internet Explorer settings. It is called IEDiag and ships with IE since version 9. It already has been used for the IE8 beta program but has not been shipped with the product itself.

The user interface of IEDiag has been removed once final IE9 has been shipped. It is now a simple command line tool which generates a CAB file.

This is a list of features which IEDigest provides more compared with IEDiag:

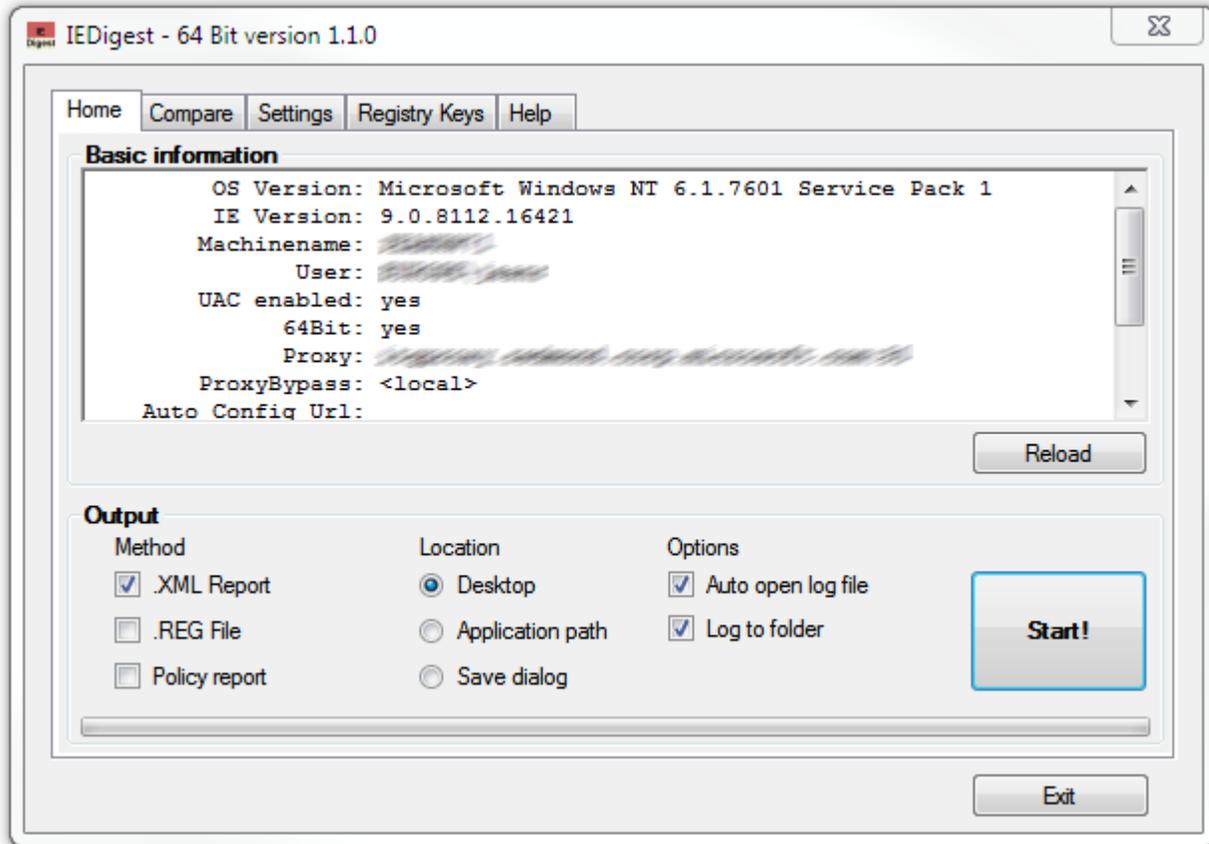
- has user interface
- can compare different reports and IE default settings
- creates DLL list which gets loaded in Internet Explorer process
- runs with IE6 and above
- Has servicing. IEDigest checks for new version on each start
- Policy report

IEDigest can be used as command line based app or as normal Windows app with user interface.

User interface

If you simply start IEDIGEST.EXE without any parameters you will see the user interface.

Home



This tab display general information about the systems and allows you to *Reload* the data. This might be helpful if you have warnings. In this case you do not have to restart the application to see if the warnings are gone. It might also be helpful to double check proxy settings

Note: The proxy settings are taken out of the *DefaultConnectionSetting* key in registry. So you might probably see something different in other registry locations than displayed here.

Basic information

Home tab shows basic information like OS and IE version, user identity and proxy configuration. You will also see warnings if the option has been enabled (see [Settings](#)).

Output

Here you can choose the output method. You have to check at least one. Press **Start!** Button at the right once you made all settings to generate output

Method

See [Log files](#) to choose the right output format. XML report is the perfect one for most scenarios.

Location

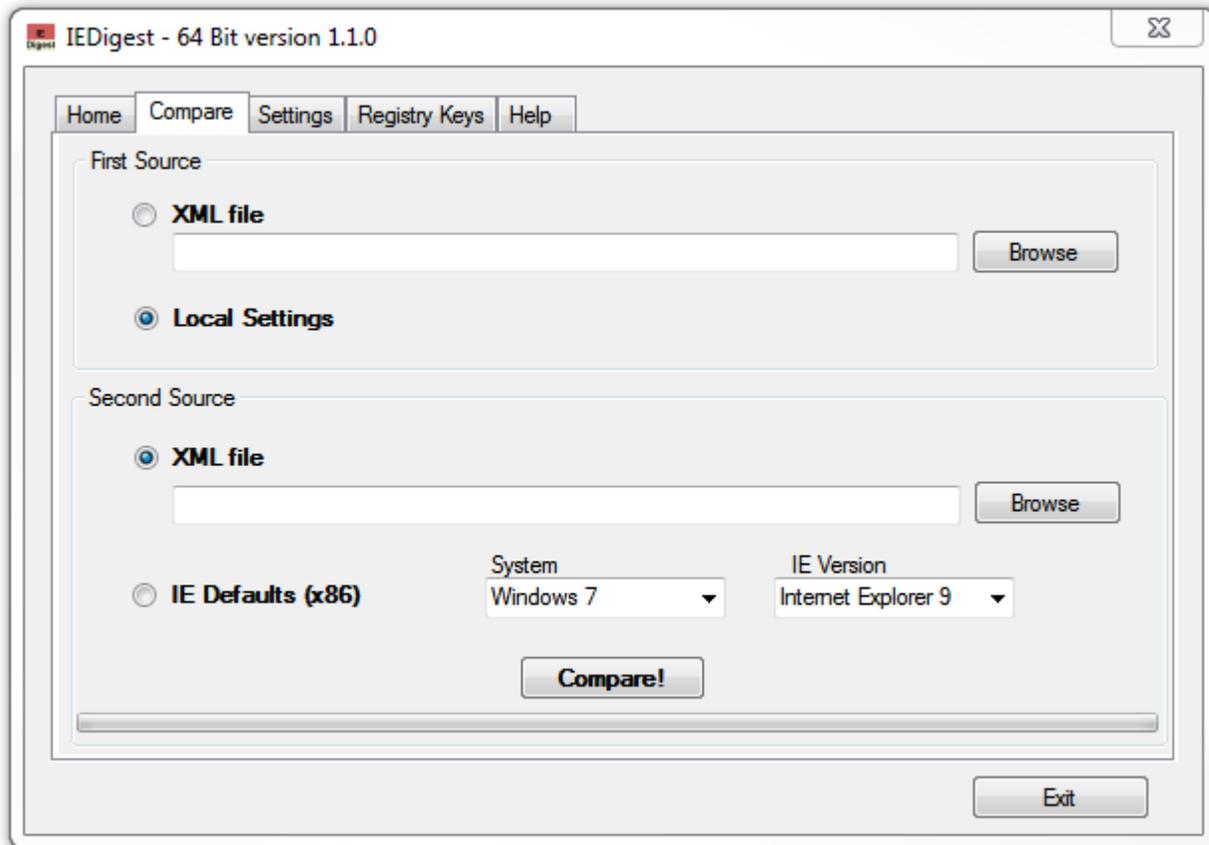
You can choose between the locations Desktop, Application path and save dialog. User should have write access to desktop and this this setting should be preferred for all scenarios.

Options

Enable *Auto open log file* if you want to see the log file immediately. (default)

Enable *Log to folder* if you want to put all log files into one single space. (default)

Compare



The compare tab is one of the key functions of this application. It allows you to compare two different XML log files and generates a [difference XML](#) log file at the end.

First Source

Choose the first source. All data which belongs to first source will be displayed in black in the difference output. You can take local settings from your system or an external XML file from another system.

Second source

Here you can choose the second XML source which will be displayed in blue in the difference output.

XML File automatically points to the most recently created XML file during this session. Choose *Browse* if you want to use another XML file for comparison.

IE Defaults

This is new since version 1.1.0. You can compare first source against default IE settings for the following systems:

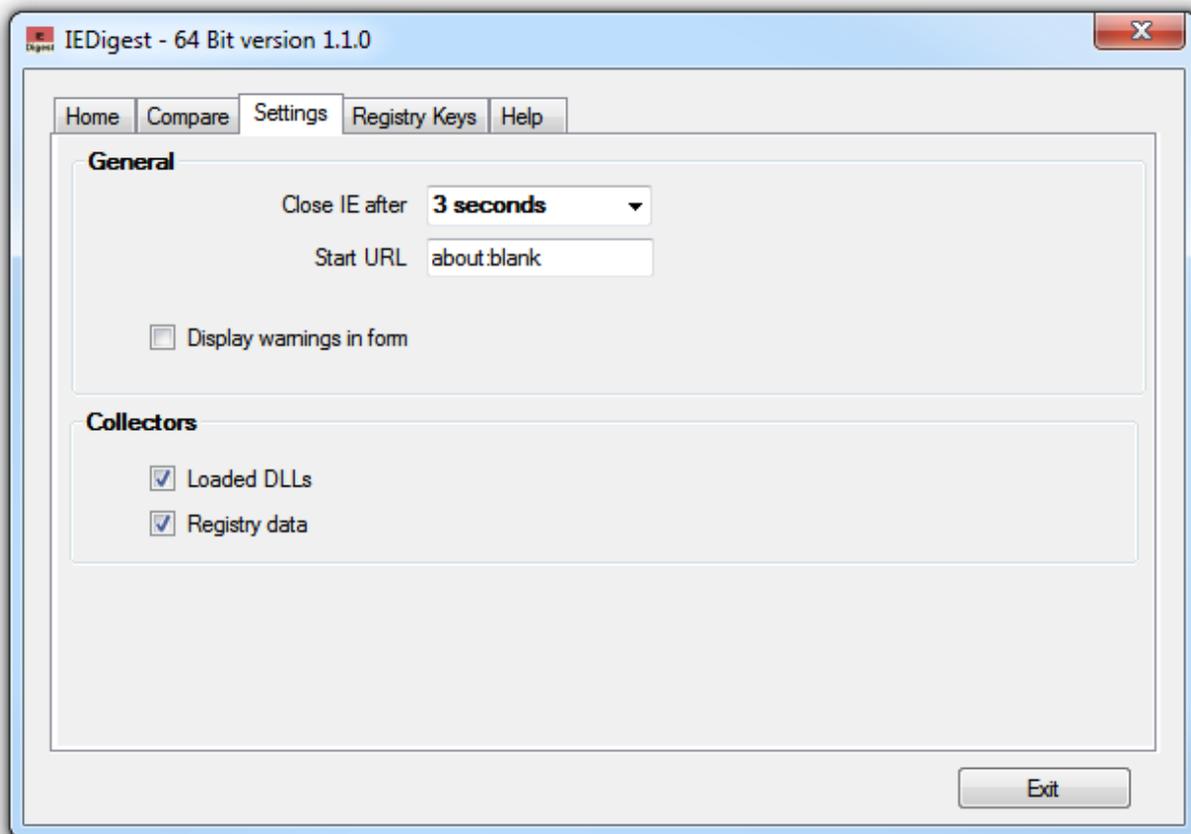
- Windows XP IE6 / IE7 / IE8
- Windows Vista IE7 / IE8 / IE9
- Windows 7 IE8 / IE9

Note: Windows8 and IE10 will be made available once it has been released.

Your current system will be auto-selected. So by using Compare! You immediately will get the differences between your system and the default settings.

Remember: You will see some differences even with a fresh installed system like user-names, window positions etc. So this does not mean that there is something wrong. This is expected.

Settings



General

We start a new IE process in the background to gather all the data we need. By default we will wait for 3s to give the process enough time to load all the DLLs etc. On some systems this might not be enough. So if the list of loaded DLLs is a bit too short try to increase this value. Maximum is 10s.

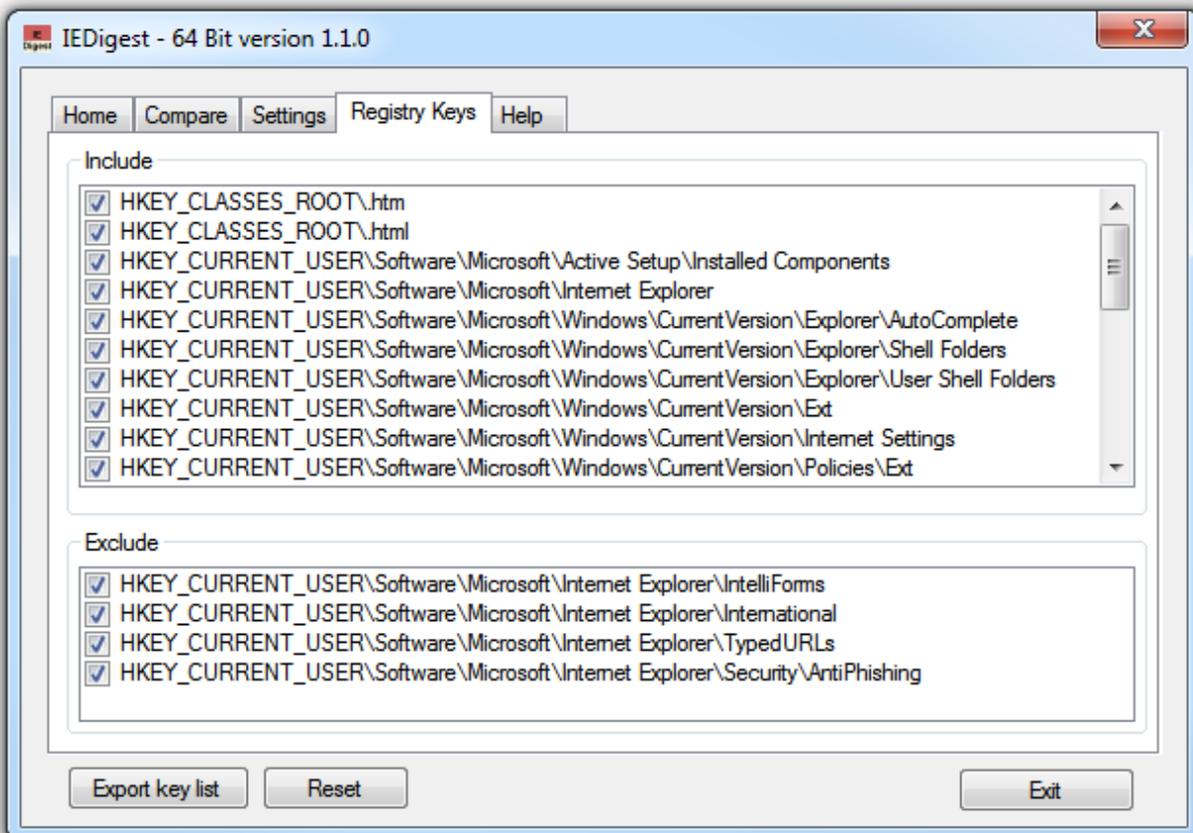
“about:blank” is used as default URL to start the new IE background process. If you want to use another URL you can change it here.

Enable the “*Display warning in form*” option if you want to display any possible warnings in the Home tab too and not only in the XML log file.

Collectors

You can skip data collection for *Loaded DLLs* and *Registry data*. If you disable both you will only see system information in the XML output file.

Registry Keys



This allows you to review and disable registry keys which are currently stored in all reports.

Export key list

You can export the registry key list to change it manually. “*Export key list*” creates an XML file called *configuration_x64* or *configuration_x86* depending on your system.

In the file you will find a include and exclude section for the main registry hives (HKEY_CURRENT_USER, HKEY_LOCAL_MACHINE and HKEY_CLASSES_ROOT):

```

<IEDigest>
  <Configuration>
    <RegistryKeys>
      <include>
        <HKEY_CLASSES_ROOT>
          <key>.htm</key>
          <key>.html</key>
        </HKEY_CLASSES_ROOT>
        <HKEY_CURRENT_USER>
          <key>Software\Microsoft\Active Setup\Installed Components</key>
          <key>Software\Microsoft\Internet Explorer</key>
        </HKEY_CURRENT_USER>
        <HKEY_LOCAL_MACHINE>
          <key>SOFTWARE\Microsoft\Active Setup\Installed Components</key>
          <key>SOFTWARE\Microsoft\Code Store Database</key>
        </HKEY_LOCAL_MACHINE>
      </include>
      <include>
      </include>
      <exclude>
        <HKEY_CURRENT_USER>
          <key>Software\Microsoft\Internet Explorer\IntelliForms</key>
          <key>Software\Microsoft\Internet Explorer\International</key>
        </HKEY_CURRENT_USER>
      </exclude>
    </RegistryKeys>
  </Configuration>
</IEDigest>

```

Note: For better reading I minimized the key list. The original contains more keys as you see it in the UI.

IEDigest will check for this file when started. If something went wrong while reading an internal version will be used instead.

Reset

This will reset the key list to the internal one.

Command line usage

If you want to use IEDIGEST.EXE as command line up you can use one of the following parameters:

```
IEDigest Version 1.0.0 x64 (c) 2011 - Jean-Pierre Regente
=====
IEDigest commands
/d                display xml/reg file after creation
/noupdatecheck   Do not check for newer version of IEDigest
/url url         Start URL for collectiong IE data. about:blank is default
/wait seconds    Seconds to wait until IE exits ( default is 3s max 10s )
/reg filename    export settings to .reg file
/xml filename    export settings to .xml + xslt file
/gpr filename    Create group policy report and link them to GPS
/cmp file1 [file2] Compare XML against XML or against local settings
/process name    Use other process than IE. This will only dump file informat
ion

Examples:
Create XML File
  IEDigest /xml test.xml

Create REG File and display output afterwards
  IEDigest /d /reg test.reg
```

Most of them are self-speaking but there are some things I want to mention here.

The option */process name* is only available in command line mode. You can use it to dump loaded DLLs of any process. Example:

```
iedigest /process c:\windows\notepad.exe /xml
```

This would start up NOTEPAD.EXE. Then we wait 3 seconds (default) before dumping all DLLs loaded within the process. You can change the time to wait with the */wait* option up to 10s.

This is the output:

```
IEDigest Version 1.0.0 x64 (c) 2011 - Jean-Pierre Regente
=====
Creating XML file with file information only....done
File has been saved to:
  C:\Users\%user%\Desktop\IEDigest\IEDigest_notepad.xml
```

The log file (XML) will be saved in a new folder on user desktop if no other path is provided. The log file only contains loaded DLLs information in case you are using the */process* option and thus not IE as given process.

Since we always start a new IE process in background we have to provide a start URL to not automatically start a given homepage. The default is *about:blank* but you can change that with the */url* option to any valid URL like this:

```
iedigest /url http://www.bing.com /xml
```

The output is:

```
IEDigest Version 1.0.0 x64 (c) 2011 - Jean-Pierre Regente
```

```
=====
```

```
Creating XML file...done
```

```
File has been saved to:
```

```
C:\Users\%users%\Desktop\IEDigest_IEXPLORE_6668.XML
```

The filename always ends with the ProcessID . In this case it is *6668*.

Note: You will not see any process ID in the filename if you are using the */process* switch.

Log files

IEDigest can produce different output formats.

XML output

This is the default format and is using same format as IEDiag. XML style sheets are auto generated to get a human readable format.

Example (slightly changed to fit size)

IEDigest - Report

System information OS Version: Microsoft Windows NT 6.1.7601 Service Pack 1 IE Version: 9.0.8112.16421 Machinename: User: UAC enabled: yes 64Bit: yes Date: 04.10.2011 14:47	Proxy configuration Proxy: ProxyBypass: <local> AutoConfigUrl: LastKnownDetectTime: 29.09.2011 08:42:17
--	--

- Loaded DLLs -

Filename	Length	Version	Description	Productname
c:\program files (x86)\internet explorer\ieproxy.dll	193536	9.00.8112.16421	IE ActiveX Interface Marshaling Library	Windows® Internet Explorer
c:\program files (x86)\internet explorer\ieshims.dll	194048	9.00.8112.16434	Internet Explorer Compatibility Shims	Windows® Internet Explorer
c:\program files (x86)\internet explorer\iexplore.exe	748936	9.00.8112.16421	Internet Explorer	Windows® Internet Explorer
c:\program files (x86)\microsoft firewall client 2004\fwowsp.dll	197440	4.0	Microsoft Firewall Client Windows Sockets 2 Service Provider	Microsoft Internet Security and Acceleration Server
c:\windows\system32\wow64.dll	243200	6.1.7601.17651	Win32 Emulation on NT64	Microsoft® Windows® Operating System
c:\windows\system32\wow64cpu.dll	13312	6.1.7601.17651	AMD64 Wow64 CPU	Microsoft® Windows® Operating System

- Registry -

```
+HKEY_CLASSES_ROOT
-HKEY_CURRENT_USER
+Software\Microsoft\Active Setup\Installed Components
+Software\Microsoft\Internet Explorer
Software\Microsoft\Windows\CurrentVersion\Explorer\AutoComplete
Software\Microsoft\Windows\CurrentVersion\Explorer\Shell Folders
!Do not use this registry key      String      Use the SHGetFolderPath or SHGetKnownFolderPath function instead
AppData                          String      C:\Users\          \AppData\Roaming
Local AppData                    String      C:\Users\          \AppData\Local
My Video                         String      C:\Users\          \Videos
{1B3E8DC-B587-4786-B4EF-BD1DC332AEE} String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Libraries
My Pictures                      String      C:\Users\          \Pictures
Desktop                          String      C:\Users\          \Desktop
History                          String      C:\Users\          \AppData\Local\Microsoft\Windows\History
NetHood                          String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Network Shortcuts
{56784854-C6CB-462B-8169-88E350ACB82} String      C:\Users\          \Contacts
Cookies                          String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Cookies
Favorites                        String      C:\Users\          \Favorites
SendTo                           String      C:\Users\          \AppData\Roaming\Microsoft\Windows\SendTo
Start Menu                       String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Start Menu
My Music                         String      C:\Users\          \Music
Programs                        String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Start Menu\Programs
Recent                           String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Recent
CD Burning                      String      C:\Users\          \AppData\Local\Microsoft\Windows\Burn\Burn
PrintHood                       String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Printer Shortcuts
{7D1D3A04-DEBB-4115-85CF-2F29DA2920DA} String      C:\Users\          \Searches
{374DE390-123F-4868-9164-39C4925E467E} String      C:\Users\          \Downloads
{A520A1A4-1780-4FF6-BD18-167343C5AF16} String      C:\Users\          \AppData\LocalLow
Startup                          String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Startup
Administrative Tools             String      C:\Users\          \AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Administrative Tools
```

REG output

This generates a REGEDIT compatible output format for the given registry keys. You can import that on a test machine for troubleshooting.

Important: Do not use that on productive systems. Importing data from external sources might break you current Internet Explorer configuration and make it probably unusable!

Policy Report

This generates a list in HTML which represents current local policy settings. Each GPO (Group Policy Object) is linked with the online GPO Database GPS (<http://gps.cloudapp.net>) . Click on one of the GPOs listed to get detailed information about it.

Example:

IEDigest - Group Policy Report

This is your group policy report based on the database of [Group Policy Search](#). These settings are taken directly out of the registry and not via gpreresult or something similar. If you have internet access you can get more details for each listed policy by simply clicking on it. You can get a full report of all policies by clicking [Full Report](#)

- Policy list -

[Turn off Autoplay](#)
[Maximum network bandwidth for BITS background transfers](#)
[Run startup scripts asynchronously](#)
[Group Policy refresh interval for computers](#)
[Group Policy refresh interval for domain controllers](#)
[Group Policy refresh interval for users](#)
[Pre-populate printer search location text](#)
[Specify intranet Microsoft update service location](#)
[Prohibit installation and configuration of Network Bridge on your DNS domain network](#)
[Prohibit use of Internet Connection Firewall on your DNS domain network](#)
[Prohibit use of Internet Connection Sharing on your DNS domain network](#)
[Configure slow-link mode](#)
[Configure BranchCache for network files](#)
[Turn off Microsoft Peer-to-Peer Networking Services](#)
[Set the Seed Server](#)
[Turn on BranchCache](#)
[Set BranchCache Hosted Cache mode](#)
[Set BranchCache Distributed Cache mode](#)
[Prompt for password on resume from hibernate / suspend](#)
[Require a Password When a Computer Wakes \(Plugged In\)](#)
[Require a Password When a Computer Wakes \(On Battery\)](#)
[Controlled load service type](#)
[Guaranteed service type](#)
[Offer Remote Assistance](#)
[Turn on Security Center \(Domain PCs only\)](#)
[Windows Scaling Heuristics State](#)
[Turn on TPM backup to Active Directory Domain Services](#)
[Store BitLocker recovery information in Active Directory Domain Services\(Windows Server 2008 and Wi](#)
[Validate smart card certificate usage rule compliance](#)
[Configure minimum PIN length for startup](#)
[Configure use of passwords for fixed data drives](#)
[Choose how BitLocker-protected operating system drives can be recovered](#)
[Require additional authentication at startup \(Windows Server 2008 and Windows Vista\)](#)
[Require additional authentication at startup](#)
[Choose how BitLocker-protected fixed drives can be recovered](#)
[Choose how BitLocker-protected removable drives can be recovered](#)
[Windows Firewall: Allow authenticated IPsec bypass](#)
[Windows Firewall: Protect all network connections](#)
[Windows Firewall: Prohibit notifications](#)
[Windows Firewall: Prohibit unicast response to multicast or broadcast requests](#)
[Windows Firewall: Allow logging](#)
[Windows Firewall: Allow logging](#)
[Configure Automatic Updates](#)

