



## Admin Guide

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## Introduction

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Google Desktop searches the contents of a user's computer, including files, email messages, viewed web pages, instant messages, images, music, video, and more. Users install Google Desktop from [google.com](http://google.com), and they configure it for themselves. In contrast, Google Desktop for Enterprise is designed for an enterprise environment. A Windows administrator configures Google Desktop for Enterprise and distributes it from a central corporate resource. Google Desktop for Enterprise provides all the user features of Google Desktop, and also indexes Lotus Notes email.

This guide contains information about setting up Google Desktop at an enterprise level and is written for Windows administrators. Any domain administrator can take advantage of the centralized configuration and control features of Google Desktop for Enterprise.

If the enterprise uses the Google Search Appliance or Google Mini for internal search, you can provide an integrated search experience. From one search interface, Google Desktop provides information from the user's desktop, the search appliance provides information from the corporate intranet, and Google.com harnesses the Internet.

## Technical Overview

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Google Desktop for Enterprise makes use of Microsoft Group Policy and Active Directory, a services infrastructure that delivers and applies configurations to users and computers. If you are unfamiliar with Group Policy technology, start at [the Microsoft Group Policy reference](#).

The package for Google Desktop for Enterprise includes an administrative template that defines policies for Google Desktop. You import the administrative template into the Group Policy Management Console or into your Group Policy editor of choice, and then edit the policy settings. Next, you use Active Directory to apply the template to client machines. This action creates and sets the value of the Google Desktop keys in each targeted machine's registry. Alternatively, you can use other administration mechanisms, such as logon scripts, to directly modify the registry settings of user machines.

The rest of this document tells you how to download and configure Google Desktop for Enterprise, and then how to push out the installation to users. For information on how to create an integrated search experience with Google Search Appliance or Google Mini, see [Integrating Google Desktop with Google Search Appliance or Google Mini](#).

## Downloading the Software

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The administrative template and the installer are available for download from <http://desktop.google.com/enterprise>. Download the template and the installer to your domain controller.

## Configuring the Group Policies

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To view and modify the Google Desktop Group Policy, open your Group Policy editor. Import the Google Desktop administrative template (.adm) file. Under Administrative Templates|Google|Google Desktop, you'll see the following categories:

- [Preferences](#) define the settings of Google Desktop options. Preference policies make user functions unavailable. If a policy is set to Disabled or Not Configured, a user's own settings generally control the feature.
- [Indexing and Capture Control](#) policies define the type of information that is added to your index, how long it is kept, and so on.
- [Enterprise integration](#) specifies the integration between Google Desktop and Google Search Appliance or Google Mini.

The next sections list and describe each policy, by category.

## General Preferences

Preference	Description	Effect of Disabled or Unconfigured Policy
Do not send Advanced Features data	Enabling this policy prevents Google Desktop from sending data required to enable Advanced Features to Google. These include anonymous usage data and crash reports.	The user can decide whether to enable Advanced Features.
Turn off Google Web Search Integration	Enabling this policy prevents Google Desktop from displaying Desktop search results in queries to <a href="http://google.com">google.com</a> .  Note: This feature does not transmit any secure, private, or local data to Google. Disabling this functionality limits the user experience and should be avoided.	The user can choose whether to include Desktop search results in queries to <a href="http://google.com">google.com</a> or Google Search Appliance or Google Mini.
Turn off Quick Find	Enabling this policy causes Google Desktop to turn off the Quick Find feature, which lets you see results as you type.	A user can choose whether to enable the feature.
Encrypt Index Data	Enabling this policy causes Google Desktop to turn on Windows Encrypting File System (EFS) for the folder that contains the Google Desktop index and related user data. The policy takes effect the next time that Google Desktop starts. There is no analogous user-controlled setting for encrypting the index. Note that Windows EFS is available only on NTFS volumes, so if a user's data is on a FAT volume, the policy has no effect.	This policy has no effect when disabled or not configured.
Choose display option	This policy sets the Google Desktop display option: Sidebar, Deskbar, Floating Deskbar or none.	The user can choose a display option.
Enable or disable safe browsing	Google Desktop safe browsing informs the user whenever they visit any site which is a suspected forgery site or may harm their computer. Enabling this policy turns on safe browsing; disabling the policy turns it off.	If the policy is not configured, the user can select whether to turn on safe browsing.

## Indexing and Capture Control

Each one of the following policies can be set to Enabled, Disabled, or Not Configured, as follows:

- If a policy is enabled, the corresponding capture component or feature is disabled, and the user cannot change the setting.
- If a policy is disabled or not configured, the user preference applies, and the user can change the setting.

Administrators can apply policies to individual users and individual machines, so policy settings can appear in either the user section or the machine section. If policy settings appear in both the user section and the machine sections, the following rules generally should be applied,

although specific configuration policies can have custom precedence rules.

1. For policies that simply enable or disable a feature, the machine policy takes precedence over the user policy.
2. For blacklists and other text fields, the union of the policies is used.

Preference	Description	Effect of Disabled or Unconfigured Policy
Prevent indexing of Email	This policy controls the indexing of email messages. If this policy is enabled, Google Desktop does not index and store email messages. Also see <a href="#">Prevent indexing of Gmail</a> .	The user can choose whether to allow indexing of email messages.
Prevent indexing of Gmail.	Enabling this policy prevents Google Desktop from indexing Gmail messages.  This policy is in effect only when the policy <a href="#">Prevent indexing of email</a> is disabled. When that policy is enabled, all email indexing is disabled, including Gmail indexing.	If both this policy and "Prevent indexing of email" are disabled or not configured, a user can choose whether or not to index Gmail messages.
Prevent indexing of web pages	This policy controls the indexing of web browser history. If this policy is enabled, Google Desktop does not index web pages that the user views using HTTP or HTTPS.	The user can choose whether to allow indexing of web pages.
Prevent indexing of text files	This policy controls the indexing of text files. If this policy is enabled, Google Desktop does not index text files.	The user can choose whether to allow indexing of text files.
Prevent indexing of media files	This policy controls the indexing of media files. If this policy is enabled, Google Desktop does not index media files.	The user can choose whether to allow indexing of media files.
Prevent indexing of contacts	This policy controls the indexing of Microsoft Outlook's contact list. If this policy is enabled, Google Desktop does not index the contact list.	The user can choose whether to allow indexing of contacts.
Prevent indexing of calendar entries	This policy controls the indexing of Microsoft Outlook's calendar entries. If this policy is enabled, Google Desktop does not index calendar entries.	The user can choose whether to allow indexing of calendar entries.
Prevent indexing of tasks	This policy controls the indexing of Microsoft Outlook's tasks. If this policy is enabled, Google Desktop does not index tasks.	The user can choose whether to allow indexing of tasks.
Prevent indexing of notes	This policy controls the indexing of Microsoft Outlook's notes. If this policy is enabled, Google Desktop does not index notes.	The user can choose whether to allow indexing of notes.
Prevent indexing of journal entries	This policy controls the indexing of Microsoft Outlook's journal entries. If this policy is enabled, Google Desktop does not index journal entries.	The user can choose whether to allow indexing of journal entries.
Prevent indexing of Word documents	This policy controls the indexing of Microsoft Word documents. If this policy is enabled, Google Desktop does not index Word documents.	The user can choose whether to allow indexing of Word documents.
Prevent indexing of Excel documents	This policy controls the indexing of Microsoft Excel documents. If this policy is enabled, Google Desktop does not index Excel documents.	The user can choose whether to allow indexing of Excel documents.
Prevent indexing of PowerPoint documents	This policy controls the indexing of Microsoft PowerPoint documents. If this policy is enabled, Google Desktop does not index PowerPoint documents.	The user can choose whether to allow indexing of PowerPoint documents.
Prevent indexing of PDF documents	This policy controls the indexing of PDF documents. If this policy is enabled, Google Desktop does not index PDF documents.	The user can choose whether to allow indexing of PDF documents.
Prevent indexing of ZIP files	This policy controls the indexing of ZIP files. If this policy is enabled, Google Desktop does not index ZIP files.	The user can choose whether to allow indexing of ZIP files.
Prevent indexing of secure web pages	This policy controls the indexing of secure web pages. If this policy is enabled, Google Desktop does not index web pages that the user views via HTTPS.	The user can choose whether to allow indexing of secure web pages.

Prevent indexing of specific web sites and folders	This policy lets you prevent Google Desktop from indexing specific web sites or folders. You specify a list of URI substrings to exclude from indexing. If an item's URL or path name contains any of the specified strings, it is not indexed.  As an example, if this policy is enabled, adding <code>images.example.com</code> excludes from the index everything in the company's images web server. Adding "C:\SensitiveCompanyData" prevents indexing of anything in that folder on the user's local machine.  The user setting for this preference is "Don't search these items or files with the following paths."	None.
Prevent indexing of IM chats	This policy disables indexing of instant messaging chat programs.	The user can choose whether to index IM chat conversations.
Prevent indexing of password-protected Office documents (Word, Excel)	This policy controls the indexing of password-protected Microsoft Office documents. If this policy is enabled, Google Desktop does not index password-protected Microsoft Office documents.	The user can choose whether to allow indexing of password-protected Microsoft Office documents.
Prevent indexing of specific extensions	This policy blocks indexing of files with specified extensions. Enter a list of file extensions to exclude from indexing, separating the entries with commas.	None.
Disallow user to add search locations to index	Enabling this policy prevents the user from adding any additional drives and networked folders to index.	None.
Allow indexing of specific folders	Use this policy to specify additional drives and networked folders to index.	None.
Only retain emails that are less than x days old	This policy allows you to configure Google Desktop to retain only emails that have been in the index for the specified number of days or fewer.	None.
Only retain webpages that are less than x days old	This policy allows you to configure Google Desktop to retain only web pages that have been in the index for the specified number of days or fewer.	None.
Only retain files that are less than x days old	This policy allows you to configure Google Desktop to retain only files that have been in the index for the specified number of days or fewer.	None.
Only retain IM that are less than x days old	This policy allows you to configure Google Desktop to retain only instant messages that have been in the index for the specified number of days or fewer.	None.
Remove deleted items from the index	This policy removes deleted items from the index and cache. Deleted items will no longer be searchable.	None.

## Enterprise-Level Integration

These settings specify how users in your enterprise will use Google Desktop.

Preference	Description	Effect of Disabled or Unconfigured Policy
Block AutoUpdate	Enabling this policy prevents Google Desktop from automatically checking for and installing updates from <a href="http://google.com">Google.com</a> . If you enable this policy, you must distribute updates to Google Desktop using Group Policy, SMS, or a similar enterprise software distribution mechanism. Check <a href="http://desktop.google.com/enterprise/">http://desktop.google.com/enterprise/</a> for updates.	Google Desktop periodically checks for updates from <a href="http://desktop.google.com">desktop.google.com</a> .
Use system proxy settings when auto-updating	Enabling this policy makes Google Desktop use the machine-wide proxy settings (as specified using <code>proxycfg.exe</code> , for example) when performing auto-updates (if auto-updates are enabled).	Google Desktop uses the logged-on user's Internet Explorer proxy settings when checking for auto-updates (if auto-updates are enabled).
Prohibit Policy-Unaware Versions	This policy prohibits installation and execution of version 1.0 of Google Desktop, which is unaware of group policy. Enabling this policy prevents users from installing or running a version of Google Desktop that you cannot administer.	None.

<p>Minimum Allowed Version</p>	<p>The Minimum Allowed Version setting prohibits users from installing or using a Google Desktop version that is older than the specified version. When enabling this policy, you should also enable the "Prohibit Policy-Unaware Versions" policy to block the initial version of Google Desktop, which did not support group policy.</p> <p>Google Desktop versions are expressed with numbers corresponding to the build date such as 2.2005.0401.0600. To view the version number, click the About link on the Google Desktop page for the given installation.</p>	<p>None.</p>																						
<p>Maximum Allowed Version</p>	<p>This policy prohibits users from installing or using a Google Desktop version that is newer than the specified version.</p>	<p>None.</p>																						
<p>Disallow Gadgets</p>	<p>This policy prevents the use of all Google Desktop gadgets. The policy applies to gadgets that are included in the Google Desktop installation package (built-in gadgets) and to gadgets that a user might want to add later (non-built-in gadgets).</p> <p>You can prohibit use of all non-built-in gadgets, but allow use of built-in gadgets. To do so, enable this policy and then select the option "Disallow only non-built-in gadgets."</p> <p>You can supersede this policy to allow specified built-in and non-built-in gadgets. To do so, enable this policy and then specify the gadgets you want to allow under "Gadget Whitelist."</p>	<p>Users can install any gadget.</p>																						
<p>Allow silent installation of gadgets</p>	<p>Enabling this policy lets you specify a list of Google Desktop gadgets that can be installed without confirmation from the user. Add a gadget by placing its class ID (CLSID) or program identifier (PROGID) in the list, surrounded with curly braces ({}).</p>	<p>None.</p>																						
<p>Gadget Whitelist</p>	<p>This policy specifies a list of Google Desktop gadgets that you want to allow, as exceptions to the "Disallow gadgets" policy. This policy is valid only when the "Disallow gadgets" policy is enabled.</p> <p>To whitelist a built-in gadget, add its class ID to the list, surrounded by curly braces ({}). Do not include the gadget name. For example, to allow the Analog Clock gadget, add {DF83CBC5-6FAD-4074-BF03-8254392DEFA0} to the list.</p> <table border="1" data-bbox="363 1245 1019 1913"> <thead> <tr> <th>Gadget</th> <th>Class ID</th> </tr> </thead> <tbody> <tr> <td>Analog Clock</td> <td>{DF83CBC5-6FAD-4074-BF03-8254392DEFA0}</td> </tr> <tr> <td>Battery Meter</td> <td>{B63B113D-DEE2-4a70-BC8B-FE77DDD40778}</td> </tr> <tr> <td>Digital Clock</td> <td>{5EBA73D8-8A97-47de-A373-2BCBDCA3D539}</td> </tr> <tr> <td>Email</td> <td>{634E2122-6BB7-430f-B452-CF04C8722C47}</td> </tr> <tr> <td>Google Calendar</td> <td>{95c665af-74b2-4c61-b62e-8b7ce8e886f3}</td> </tr> <tr> <td>Google Talk</td> <td>{54648593-C279-476d-82AF-9CFEB45313B4}</td> </tr> <tr> <td>Install Tips</td> <td>{5F35B94D-8347-48bf-AA83-93BE9A99CF8A}</td> </tr> <tr> <td>Maps</td> <td>{3C66FE03-4FB7-497c-850F-60265842D043}</td> </tr> <tr> <td>Media Player</td> <td>{7CEAD8F9-51DB-4365-829A-E67DBDF1B3E1}</td> </tr> <tr> <td>News</td> <td>{ECCB4495-7F5B-4b4e-A887-7A66BE948AC1}</td> </tr> </tbody> </table>	Gadget	Class ID	Analog Clock	{DF83CBC5-6FAD-4074-BF03-8254392DEFA0}	Battery Meter	{B63B113D-DEE2-4a70-BC8B-FE77DDD40778}	Digital Clock	{5EBA73D8-8A97-47de-A373-2BCBDCA3D539}	Email	{634E2122-6BB7-430f-B452-CF04C8722C47}	Google Calendar	{95c665af-74b2-4c61-b62e-8b7ce8e886f3}	Google Talk	{54648593-C279-476d-82AF-9CFEB45313B4}	Install Tips	{5F35B94D-8347-48bf-AA83-93BE9A99CF8A}	Maps	{3C66FE03-4FB7-497c-850F-60265842D043}	Media Player	{7CEAD8F9-51DB-4365-829A-E67DBDF1B3E1}	News	{ECCB4495-7F5B-4b4e-A887-7A66BE948AC1}	<p>None.</p>
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Analog Clock	{DF83CBC5-6FAD-4074-BF03-8254392DEFA0}																							
Battery Meter	{B63B113D-DEE2-4a70-BC8B-FE77DDD40778}																							
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Email	{634E2122-6BB7-430f-B452-CF04C8722C47}																							
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Install Tips	{5F35B94D-8347-48bf-AA83-93BE9A99CF8A}																							
Maps	{3C66FE03-4FB7-497c-850F-60265842D043}																							
Media Player	{7CEAD8F9-51DB-4365-829A-E67DBDF1B3E1}																							
News	{ECCB4495-7F5B-4b4e-A887-7A66BE948AC1}																							

	<p>Orkut {AAE49563-84D9-487b-AC42-7B2683B48C1F}</p> <p>Photo {4516155C-B94E-4334-8D26-D4BF0932581C}</p> <p>Quick View {50EDABE0-140C-406d-A8B9-32652145560A}</p> <p>Scratch Pad {65E256AC-B335-4004-8C6A-5A7F986CD0A4}</p> <p>Stock {F11D7457-2381-4337-977F-4090C75EBC23}</p> <p>System Monitor {2F47A051-6AA3-4E7A-A5F5-2446708AFA18}</p> <p>To Do {3872340B-239E-4c1c-A783-0E2A5E28383B}</p> <p>Weather {A5B8FE6A-E3E1-40f3-8189-630E37C2AA47}</p> <p>Web Clips {FBA13A6F-E595-48b7-AB73-2630042A4E93}</p> <p>What's Hot {68E27672-0C2E-4f54-8B21-71DD68DFE343}</p> <p>Wireless Meter {C6F815A3-B859-4eba-83D1-AC097805C2EA}</p> <p>To whitelist a non-built-in gadget, add its class ID (CLSID) or program identifier (PROGID), surrounded by curly braces ({}).</p>	
Alternate User Data Directory	<p>This policy allows you to specify a directory for storing user data for Google Desktop (such as index data and cached documents). You may use [USER_NAME] or [DOMAIN_NAME] in the path to specify the current user's name or domain. If [USER_NAME] is not specified, the user name is appended at the end of the path.</p> <p>Storing user data on network volumes can negatively affect performance.</p>	None.
Maximum allowed Outlook connections	<p>This policy specifies the maximum number of open connections that Google Desktop maintains with the Exchange server. Google Desktop opens a connection for each email folder that it indexes. If insufficient connections are allowed, Google Desktop cannot index all the user email folders.</p> <p>The default value is 400. Because users rarely have as many as 400 email folders, Google Desktop rarely reaches the limit.</p> <p>If you set this policy's value above 400, you must also configure the number of open connections between Outlook and the Exchange server. By default, approximately 500 connections are allowed. If Google Desktop uses too many of these connections, Outlook might be unable to access email.</p>	None.
Disallow sharing and receiving of web history and documents across computers	<p>This policy prevents Google Desktop from sharing the user's web history and document contents across the user's different Google Desktop installations, and also prevents Google Desktop from receiving such shared items from the user's other machines.</p>	None.
Disallow sharing of web history and documents across computers	<p>This policy prevents Google Desktop from sending the user's web history and document contents from this machine to the user's other machines. It does not prevent reception of items from the user's other machines.</p>	None.
Maximum allowed Exchange indexing rate	<p>This policy allows you to specify the maximum number of emails that are indexed per minute.</p>	None.

Disallow storage of gadget content and settings	This policy prevents users from storing their gadget content and settings with Google. When the policy is enabled, users will be unable to access their gadget content and settings from other computers and all content and settings will be lost if Google Desktop is uninstalled.	None.
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## Installing Google Desktop on User Machines

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Google Desktop is intended for installation on multiple computers in an organization. Google Desktop supports MSI installation, so you can use your preferred installation method.

The following table lists the installation options and provides comments.

Installation Method	Comment
Have users install Google Desktop themselves	Users with administrator access to their computers can install the .msi file themselves, if you make it available on a server.
Use Group Policy Software Installation	You can publish or assign the installation.
Use Systems Management Server (SMS)	Google Desktop is installed and available for all users on the machine. We recommend that you configure SMS to do per-machine installations only by setting ALLUSERS=1.
	Attended (interactive) installations cause Google Desktop to be automatically enabled for the user who performs the installation. Unattended (silent) installs are enabled only when the user runs Google Desktop from one of the shortcuts.
	Never perform an unattended installation when a user is logged in to the machine. Such an installation typically cannot complete properly.

## Pushing Out the Policy to Users

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Once you have configured the Google Desktop Group Policy, you need to push it to users. To do so, create an Active Directory Group Policy Object (GPO), edit it from the Active Directory Management Console or the Group Policy Management Console, and apply the GPO to the whole domain, or to an Organizational Unit of that domain.

When you push out the policies, end-user registries are updated with the following subkeys:

- User policies for Google Desktop: HKCU\Software\Policies\Google\Google Desktop
- Machine policies for Google Desktop: HKLM\Software\Policies\Google\Google Desktop

These subkeys are created in areas of the registry that are reserved for group policy settings. The settings are protected with access control lists that prevent tampering by non-administrative users.

For information about the registry keys used for Google Desktop for Enterprise, refer to [Reference: Registry Keys](#).

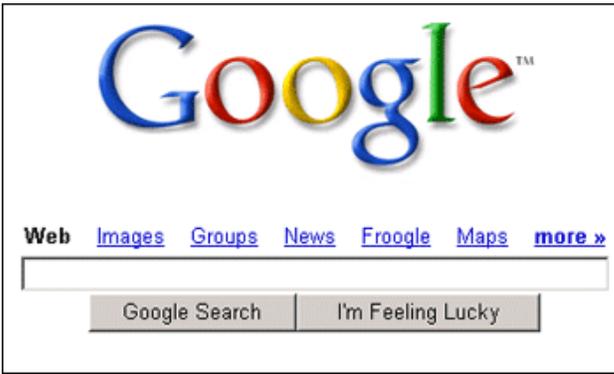
## Integrating Google Desktop and the Google Search Appliance or Google Mini

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Integrating Google Desktop for Enterprise with Google Search Appliance or Google Mini enables you to combine desktop search results and enterprise search results on a single page. Desktop search results are served by Google Desktop, and enterprise search results are served by Google Search Appliance or Google Mini.

The integration creates new top links on the search pages that users use. A top link appears above the search box and represents a search service or a body of data that can be searched. For example, Images, News, and Groups are top links on the google.com search page. When a user clicks enters a search query and clicks the News top link, the search query produces news reports. If the user clicks the Desktop top link, the search query produces results from files on the user's computer.

The following image shows an English search page with the Web top link selected.



When you integrate Google Desktop with Google Search Appliance or Google Mini, you'll create new top links, as follows:

- When a user views the [Google.com](http://www.google.com) web page or a Google Desktop search page, a top link for your enterprise search will appear.
- When a user views your enterprise search page, a top link for Google Desktop search will appear.

On [www.google.com](http://www.google.com), a user can type a single search query and then apply that search query to various search services by clicking various top links. For example, one search query could apply to Groups or Images. When you integrate Google Desktop with Google Search Appliance or Google Mini, the top link to Google Desktop participates in this feature. The user can initiate many potential searches, including a desktop search, based on one search query. The user does not need to retype the search query.

This document provides instructions about integrating Google Desktop on a single computer with Google Search Appliance or Google Mini. To make these changes for multiple users, use Windows Group Policy. To integrate Google Desktop with your search appliance, do the following:

- If you are using Google Search Appliance 4.6.x or later or Google Mini 4.4.102.x or later, follow the instructions described in [Setting an Individual Machine to Communicate with the Appliance](#).
- If you are using Google Search Appliance older than 4.6.x or Google Mini older than 4.4.102.x, follow the instructions described in [Setting an Individual Machine to Communicate with the Appliance](#) and [Enabling the Appliance to Work with a Configured Google Desktop](#). You will need to edit the XSLT code that defines the appearance of the search front end.

When instructions in this document apply to both Google Search Appliance and Google Mini, the generic term "the appliance" is used.

## Setting an Individual Machine to Communicate with the Appliance

Once you have completed the configuration, you will see a top link to appliance search on [www.google.com](http://www.google.com) and on your enterprise search page. For example, if the name of your appliance search is "Searchlight," you will see a top link called "Searchlight" above the search box of the search page. Results from desktop search and enterprise search will appear on the same results page.

You must have Administrator access to the machine that you want to integrate with the appliance.

Edit the `GoogleDesktop.adm` template and go to the Enterprise Integration policy folder. For information on the location of the policies, see the [Configuring the Group Policies](#) section. Configure the following policies:

Policy	Description
Enterprise Search Tab	This policy allows you to add a top link for your appliance search to your <a href="http://www.google.com">www.google.com</a> and desktop search pages. Google Desktop inserts the top link on your corporate search page only when the page comes from a server that has been specified in the group policy called Google Search Appliances.

In the properties page of the policy, do the following:

- Enable the policy.
- Enter the name of the top link for your appliance search.
- Enter the URL for the search page of your search appliance. Example: `http://search.company.com/search?site=default_collection&client=integrated_frontend&proxystylesheet=integrated_frontend&output=xml_no_dtd&proxycustom=<HOME/>`  
**Note:** Do not configure the policy to check whether the search homepage supports `&q=<query>`.
- Enter the search results URL for your search appliance. Example:  
`http://search.company.com/search?q=[DISP_QUERY]&site=default_collection&client=integrated_frontend&proxystylesheet=integrated_frontend&output=xml_no_dtd`

- Configure the policy to check whether the search results page supports `&q=<query>`. Enabling the policy to do this lets Google carry over query terms across all the search services; for example, search queries entered in the Web search service are automatically carried over to the Desktop search service.

Google Search Appliances	This policy enables Google Desktop to insert desktop results into the search results of queries made on the appliance.
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In the properties page of the policy, do the following:

- Enable the policy.
- Enter the host name of your search appliance. Example: search.company.com.

After you configure the group policies, do the following:

- If you are using Google Search Appliance 4.6.x, Google Mini 4.4.102.x, or later versions, you are done. You can start testing the integration.
- If you are using Google Search Appliance older than 4.6.x or Google Mini older than 4.4.102.x, continue to the next section.

## Enabling the Appliance to Work with a Configured Google Desktop

The appliances use XSLT to define the look-and-feel of the search and search results pages. If you are using Google Search Appliance older than 4.6.x or Google Mini older than 4.4.102.x, your stylesheet might not have the proper desktop integration code. Verify that the stylesheet of the front end that you want to integrate with the Desktop contains the template code listed below. If your stylesheet does not have all the code listed in this section, cut the code and paste it to the appropriate sections of your stylesheet. You can access the stylesheet from the Admin Console of the appliance. For more information about editing appliance stylesheets, consult the documentation in <http://support.google.com/enterprise/>.

**Note:** Google Support cannot resolve XSLT coding problems. If you are not familiar with XSLT, consult an XSLT programmer.

1. Create additional space for the top link.
  - a. Remove the TD cells (and their contents) that contain links to Advanced Search, Alerts, and Help.
  - b. Move the TR start and end tags from the first row into the `xsl:if` statement containing the logo. This removes an extra row in the header if the logo is not used.
2. Add top links for different search options of the search box.
  - a. Find the `Search box input form` section and the following code:

```
<xsl:template name="search_box">
<form name="gs" method="GET" action="search">
```

- b. Add the following lines right after the `<form name="gs" method="GET" action="search">` line:

```
<table cellpadding="4" cellspacing="0">
<tr>
<xsl:call-template name="desktop_tab"/>
</tr>
</table>
```

3. Add a smaller version of Advanced Search, Alerts and Help links to the right of the search box.
  - a. Find the `Search result page header` section and the following code:

```
<td valign="middle">
<font size="-1">
<xsl:call-template name="nbsp"/>
<xsl:choose>
<xsl:when test="$choose_search_button = 'image'">
<input type="image" name="btnG" src="{ $search_button_image_url }"
valign="bottom" width="60" height="26"
border="0" value="{ $search_button_text }"/>
</xsl:when>
<xsl:otherwise>
<input type="submit" name="btnG" value="{ $search_button_text }"/>
</xsl:otherwise>
</xsl:choose>
</font>
```

```
</td>
```

- b. Add the following lines right after the </td>:

```
<td nowrap="1">
<font size="-2">
<xsl:if test="$show_result_page_adv_link != '0'">
<xsl:call-template name="nbsp"/>
<xsl:call-template name="nbsp"/>
<a href="{ $adv_search_url }">
<xsl:value-of select="$adv_search_anchor_text"/>
</a>
<br/>
</xsl:if>
<xsl:if test="$show_alerts_link != '0'">
<xsl:call-template name="nbsp"/>
<xsl:call-template name="nbsp"/>
<a href="{ $alerts_url }">
<xsl:value-of select="$alerts_anchor_text"/>
</a>
<br/>
</xsl:if>
<xsl:if test="$show_result_page_help_link != '0'">
<xsl:call-template name="nbsp"/>
<xsl:call-template name="nbsp"/>
<a href="{ $help_url }">
<xsl:value-of select="$search_help_anchor_text"/>
</a>
</xsl:if>
<br/>
</font>
</td>
```

4. Modify the spacing around the top navigation.

- a. Find the Output all results section and the following code:

```
<xsl:template name="results">
<xsl:param name="query"/>
<xsl:param name="time"/>
<!-- *** Add top navigation/sort-by bar *** -->
<table width="100%">
<tr>
<xsl:if test="$show_top_navigation != '0'">
```

- b. Cut the following line:

```
<xsl:if test="$show_top_navigation != '0'">
```

- c. Replace it with the following line:

```
<xsl:if test="($show_top_navigation != '0') or ($show_sort_by != '0')">
```

5. Specify the section of the appliance search result page into which desktop search results should be inserted.

- a. Find the following code:

```
<!-- *** Handle synonyms, if any *** -->
<xsl:if test="$show_synonyms != '0'">
<xsl:call-template name="synonyms"/>
</xsl:if>
</span>
```

- b. Add the following line right after the </span> tag:

```
<xsl:call-template name="desktop_results"/>
```

6. Specify the section of the appliance search result page into which empty desktop search results should be inserted.
- Find the Empty result set section and the following code:

```
<xsl:template name="no_RES">
<xsl:param name="query"/>
<span class="p">
<br/>
Your search - <b><xsl:value-of select="$query"/></b> - did not match any documents.
<br/>
No pages were found containing <b>"<xsl:value-of select="$query"/>"</b>.
<br/>
<br/>
Suggestions:
<ul>
<li>Make sure all words are spelled correctly.</li>
<li>Try different keywords.</li>
<li>Try more general keywords.</li>
</ul>
</span>
```

- Add this line right after the </span> tag:

```
</xsl:template><xsl:call-template name="desktop_results"/>
```

7. Create a hyperlink style for the top link to make the top link to appear like other top links.

- Find the Global Style section and the following line:

```
.q a:visited,.q a:link,.q a:active,.q {text-decoration: none; color:#0000cc;}
```

- Replace that line with:

```
.q a:visited,.q a:link,.q a:active,.q {color:#0000cc;}
```

8. Specify the top links that appear at the top of the appliance search results page and insert the tags that Google Desktop requires. Add the following text right before the final template:

```
<xsl:template name="desktop_tab">
<!-- *** Show the Google tabs *** -->
<font size="-1">
<a class="q" onClick="return window.qs?qs(this):1"
href="http://www.google.com/search?q={Sqval}">Web</a>
</font>
<xsl:call-template name="nbsp4"/>
<font size="-1">
<a class="q" onClick="return window.qs?qs(this):1"
href="http://images.google.com/images?q={Sqval}">Images</a>
</font>
<xsl:call-template name="nbsp4"/>
<font size="-1">
<a class="q" onClick="return window.qs?qs(this):1"
href="http://groups-beta.google.com/groups?q={Sqval}">Groups</a>
</font>
<xsl:call-template name="nbsp4"/>
<font size="-1">
<a class="q" onClick="return window.qs?qs(this):1"
href="http://news.google.com/news?q={Sqval}">News</a>
</font>
<xsl:call-template name="nbsp4"/>
<font size="-1">
<a class="q" onClick="return window.qs?qs(this):1"
href="http://froogle.google.com/froogle?q={Sqval}">Froogle</a>
</font>
<xsl:call-template name="nbsp4"/>
```

```
<font size="-1">
<a class="q" onClick="return window.qs?qs(this):1"
  href="http://local.google.com/local?q=({$qval})">Groups</a>
</font>
<xsl:call-template name="nbsp4"/>

<!-- *** Show the desktop and web tabs *** -->
<xsl:if test="CUSTOM/HOME">
<xsl:comment>trh2</xsl:comment>
</xsl:if>
<xsl:if test="Q">
<xsl:comment>trl2</xsl:comment>
</xsl:if>

<!-- *** Show the appliance tab *** -->
<font size="-1"><b>Appliance</b></font>

</xsl:template>

<xsl:template name="desktop_results">
<xsl:comment>tro2</xsl:comment>
</xsl:template>
```

After you have added the XSLT code in this section, test the XSLT changes to make sure that they accomplish what you expect. The search appliance caches XSLT code to provide search results faster. To reload the page, submit the `&proxyreload=1` parameter with the search request URL that is sent to the appliance. You can get the search request URL by using the Test Center and viewing the properties.

## Updating Google Desktop

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Google AutoUpdate ensures that users are running the most current version of Google Desktop. Google Desktop clients ping Google's update server daily to request updates. When an update is available, it is automatically downloaded and installed on the client.

If corporate policy prohibits this type of update, or if users do not have local administrative privileges, use Group Policy or other software management systems such as SMS to keep clients up to date.

## Reference: Registry Keys

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The tables below list and explain the Google Desktop registry keys that are controlled by the group policy. For each registry key name, each of the tables that follows list the name, type, description, and default value and give an example. In addition, note the following:

- The column "User Option" specifies whether the key has an analogous end-user setting. If there is an analogous end-user setting, the administrative setting controls use of the end-user setting.
- The table's last column, "Affects UI?" specifies whether the group policy setting is made visible to the user. For example, a group policy setting might disable a user feature by graying out a user option.
- All values for REG\_SZ type keys are strings.

The following registry keys are under `Google\Google Desktop\Preferences`:

Name	Type	Description	Default Value	Example	User Option	Affects UI?
file_extensions_to_skip	REG_SZ	Comma-delimited extension list	tmp, temp, log, pst, dat, 000, pf, xml, obj, .pdb	,tmp,temp,log	Y	N
onebox_mode	REG_DWORD	Controls insertion of Google Desktop OneBox in <a href="http://google.com">google.com</a>	1	1	Y	Y
blacklist-1	Key	List of schema IDs	""	2	Y	Y
blacklist-2	Key	List of file extensions	""	XLS	Y	Y
blacklist-3	Key	List of protocol identifiers	""	HTTPS	Y	Y

blacklist-6	Key	List of URI substrings (contains)	""	http://www/hr/	Y	Y
blacklist-12	Key	List of Component IDs	""	53, {Guid-Identifier-String}	Y	Y
blacklist-13	Key	List of security features	""	SECUREOFFICE	Y	Y
error_report_on	REG_DWORD	Controls reporting of crash + usage data	1	1	Y	Y
hyper_off	REG_DWORD	Controls Quick Find	1	1	Y	Y
policy_search_location_whitelist	REG_SZ	String values of specific folders to index	""	c:\userdata	N	Y
user_search_locations	REG_DWORD	Controls user ability to add search locations	1	1	Y	Y
email_days_to_retain	REG_DWORD	Control number of days to retain emails	30	30	N	N
webpage_days_to_retain	REG_DWORD	Control number of days to retain web pages	30	30	N	N
file_days_to_retain	REG_DWORD	Control number of days to retain files	30	30	N	N
im_days_to_retain	REG_DWORD	Control number of days to retain IM	30	30	N	N
display_mode	REG_DWORD	Control the way that Google Desktop is displayed: Sidebar, Deskbar, Floating Deskbar or none.	(none)	1	Y	Y
blacklist-pop	Key	List of email products that Google Desktop cannot access by means of the POP client.	""	gmail	Y	Y

The following registry keys are under Google\Google Desktop\Enterprise. None of these registry keys affect the user interface.

Name	Type	Description	Default Value	Example	User Option
disallow_gadgets	REG_DWORD	Disallows installation and use of all gadgets.	0	1	Y
disallow_only_non_built_in_gadgets	REG_DWORD	Disallows installation and use of non-built-in gadgets only.	1	1	N
gadget_whitelist	REG_SZ	Whitelist of gadgets that can be installed, superseding settings for disallow_gadgets and disallow_only_non_built_in_gadgets.		{Guid-Identifier-String}	N
install_confirmation_whitelist	REG_SZ	Whitelist of gadgets that can be installed without user confirmation.			N
autoupdate_host	REG_SZ	Hostname to query for autoupdate availability	desktop.google.com	""	N
GSAHosts	REG_SZ	List of GSA hostnames in company	""	search.corp.example.com	N
PolicyUnawareClientProhibitedFlag	REG_DWORD	Prevents GD 1.0 from installing/running	0	1	N
minimum_allowed_version	REG_SZ	Minimum version of GD that user can install and run	0.0.0.0	2.2005.0401.0600	N
maximum_allowed_version	REG_SZ	Maximum version of GD that user can install and run	9999.9999.9999.9999	5.9999.9999.9999	N
enterprise_tab_text	REG_SZ	Name to use for Google Search Appliance search tab	""	intranet	N
enterprise_tab_homepage	REG_SZ	URL of Google Search Appliance home page	""	http://search.intranet.example.com	N
enterprise_tab_homepage_query	REG_DWORD	Indicates whether search homepage URL supports "q=query" parameter	0	1	N

enterprise_tab_results	REG_SZ	URL for Google Search Appliance query results	""	http://search.intranet.example.com/search?q=[DISP_QUERY]	N
enterprise_tab_results_query	REG_DWORD	Indicates whether query results URL supports "q=query" parameter	0	1	N
alternate_user_data_dir	REG_SZ	String value of alternate user data directory parameter	""	c:\desktopdata	N
max_allowed_outlook_connection	REG_DWORD	Control maximum allowed connections for Outlook	400	400	N
disallow_ssd_service	REG_DWORD	Control sharing of web history and documents across computers	1	1	Y
max_exchange_indexing_rate	REG_DWORD	Control maximum number of emails indexed per minute	60	60	N