

WORLD DATA SERVICES

Application Notes

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	Application Notes

1 Application Notes

These application notes apply to both Dial-Up Data Service and Direct Internet Data Service.

1.1 General Hints

Iridium World Data Services were designed to allow flexibility in using software applications. Most people have preferences for Internet browsers, email tools, etc., and each application has its advantages and disadvantages. Once you have established your data connection over Iridium, you will be able to use most applications to which you have become accustomed. However, it is important that you remember that you are using a communications link that is not as fast as the landline connections to which you may be accustomed. As such, the following recommendations are provided to help you optimize your performance and quality of service.

Browsing the Internet...

Downloading images will significantly degrade your Internet experience due to their size and lack of compressibility. Try these tips:

- Configure your browser to NOT automatically download images, especially since most images are banners, logos, and advertisements that you probably do not need anyway.
- Browse the Internet via common, fast-loading web portals (e.g., www.yahoo.com or www.lycos.com.)

Checking and Sending Emails...

Large attachments will significantly degrade your ability to quickly check and send emails. While you can control what emails you send, you cannot control what people may send you.

- If possible, use an IMAP mail server, rather than POP. IMAP mail servers allow you to download just header information, allowing you the option of not downloading particular messages.
- If using POP, consider using an email program that lets you specify a maximum message size while downloading new messages, or use a web page based email service. This will allow you to view message headers and provide you with the option of whether or not to download the messages.
- Rather than copying yourself on your emails, configure your email tool to place a copy of your sent message on your local machine. If you copy yourself, you will just have to download it again the next time you check your email!
- Configure your email tool to not automatically include the original email in your replies. If you include the original message in your reply, this just increases the size of your outbound email message.

1.2 Microsoft Internet Explorer 5.x

It is recommended that you do not automatically load images while browsing the Internet via Iridium. To modify this, open Internet Explorer, and from the menu select *Tools > Internet Options*. Click on the *Advanced* tab, and scroll down to the Multimedia category in the settings list. De-select the checkbox for "Show pictures", "Play Animations", "Play Sounds" and "Play Videos". Select the checkbox for "Show image download placeholders." Click *Apply* to apply your changes.

Note that if you turn off the option to automatically load images, you can still easily load images for any given web site by right clicking on the image placeholder and selecting *Show Picture*.

Internet Options
General Security Content Connections Programs Advanced
Settings:
 Java console enabled (requires restart) Java logging enabled JIT compiler for virtual machine enabled (requires restart) Multimedia Always show Internet Explorer (5.0 or later) Radio toolbar Play animations Play sounds Play videos Show pictures Show pictures Smart image dithering Print background colors and images Search from the Address bar When searching Display results, and go to the most likely site
<u>R</u> estore Defaults
OK Cancel Apply

1.3 Netscape 4.7x

The following steps describe how to configure Netscape 4.7 for optimum performance.

Create New User Profile

- Choose Start > Programs > Netscape Communicator > Utilities > User Profile Manager to open the Profile Manager window. Click New... to create a new user profile to use for Iridium World Data Services. While this is not necessary, it is recommended if you use your Netscape Communicator to browse the Internet or check email via alternate connections (for example, corporate LAN at work or dial-up ISP at home). Netscape's profiles allow you to easily store different settings and preferences for each connection.
- 2. The *Creating a New Profile* window will walk you through the necessary steps to create a new profile. Click *Next>* to continue. You can press Cancel at any time.

Creating a New Profile	×
Creating a New Profile	
Communicator stores information about your settings, preferences, bookmarks, and stored messages in your personal profile.	
If you are sharing this copy of Communicator with other users, you can use profiles to keep each user's information separate. To do this, each user should create his or her own profile and optionally protect it with a password.	
If you are the only person using this copy of Communicator, you must create at least one profile. If you would like, you can create multiple profiles for yourself to store different sets of settings and preferences.	
For example, you may want to have separate profiles for business and personal use.	
To begin creating your profile, click Next.	
< Back Next > Finish Cancel	

3. When prompted, enter your name and email address and click *Next>* to continue. You can use the same name and email in different profiles. Be aware, however, that each profile stores emails in its own In-Box.

Enter your Name and Email Address	×
Please enter the name and email address for the person whose profile is being created. This information will be saved in the preferences of the new profile.	
Full Name: John Smith (e.g. John Smith)	
Email Address (if available): jsmith@address.com (e.g. jsmith@company.com)	
Please click Next to continue	
< <u>B</u> ack <u>N</u> ext > Finish Cancel	

4. When prompted, enter a profile name to identify this new user profile and click *Next>* to continue. Each time you start Netscape, you will be able to select this profile from a drop down menu in the Profile Manager window.

Choose a Name and Directory for your Profile
If you create several profiles, you will be able to tell them apart by their names. You may use the name provided here or enter a different one.
Profile Name: Direct-Internet
Your user settings, preferences, bookmarks, and stored messages will be kept in the directory given below. We recommend that you use the default directory already listed.
C:\Program Files\Netscape\Users\di
Please click Next to continue
< <u>B</u> ack <u>N</u> ext > Finish Cancel

5. If you are using this new profile to check email, enter the appropriate email server information when prompted and click *Next* > to continue. If you do not want to configure your email, click *Finish* to store your new profile.

Set up your Outgoing Mail Server	×
Communicator now has enough information to set up your basic profile. However, Communicator needs additional information if you want to send or receive email or use newsgroups.	
If you do not know the information requested, please contact your system administrator or Internet Service Provider.	
Outgoing mail (SMTP) server:	
mail	
Click Next to continue entering information.	
your mail and newsgroup information later.	
< <u>B</u> ack <u>N</u> ext > Finish Cancel	

Launch Netscape Navigator

 Choose Start > Programs > Netscape Communicator > Netscape Navigator to launch Navigator. (If you are familiar with Netscape, you can use the icon in the task bar or a shortcut on your desktop.) If you have multiple profiles, select your Profile Name that you use for Iridium World Data Services, and click Start Communicator to open the Navigator window to browse the Internet.

Launch Netscape Messenger

 Choose Start > Programs > Netscape Communicator > Netscape Messenger to launch Messenger. (If you are familiar with Netscape, you can use the icon in the task bar or a shortcut on your desktop.) If you have multiple profiles, select your Profile Name that you use for Iridium World Data Services, and click Start Communicator to open the Messenger window to send and receive emails.

Profile Manager	×	
Welcome to	Communicator	
To access your personal profile, passwords, and certificates, please choose your profile from the list below.		
If you have a F computer, cho into your Roam	Roaming Access profile which does not exist on this ose Guest. Communicator will then prompt you to log ning Access server.	
<u>P</u> rofile Name	Direct-Internet	
	□ <u>W</u> ork Offline	
<u>Manage Profiles</u>	Start Communicator Exit	

Change Preferences

- 1. Launch Netscape Navigator. Choose *Edit* > *Preferences* from the Navigator menu to change your user preferences.
- 2. It is recommended that you do not automatically load images while browsing the Internet via Iridium. To modify this, select *Advanced* from the Category list. De-select the checkbox for "Automatically load images" and click *OK* to save.

Note that if you turn off the option to automatically load images, you can still easily load images for any given web site by selecting the Images short cut from the Netscape tool bar or by selecting *View > Show* Images from the menu bar.

Preferences		×
Category:		
 Appearance Navigator Mail & Newsgroups Roaming Access Composer Offline Advanced Cache Proxies SmartUpdate 	Advanced Change preferences that affect the entire product Automatically load images Automatically load images Enable Java Enable JavaScript Enable JavaScript for Mail and News Enable gave sheets Enable grail address as anonymous FTP password Cookies Accept all cookies Accept all cookies that get sent back to the originating server Disable cookies Warn me before accepting a cookie	
	OK Cancel <u>H</u> elp	

3. You can also optimize your email performance by modifying your email preferences. By deselecting *"Automatically quote the original message when replying,"* the original message will not be included in your reply, thus reducing the size of your outbound messages.

Preferences		×
Category:		
 Appearance Fonts Colors Navigator Mail & Newsgroups Identity Mail Servers Newsgroup Servers Addressing Messages Window Settings Copies and Folders Formatting Return Receipts Disk Space Roaming Access Composer Offline Advanced 	Messages Forwarding and Replying to Mess By default, forward messages: Automatically quote the origination of the start my reply allows Image: Automatically quote the origination of the start my reply allows Message Wrapping Message Wrapping Wrap outgoing, plain text mess Send messages that use 8-bit child As is (does not work well with so readers)	Choose settings for messages Quoted ginal message when replying bove the quoted text ore sending nessages to window width ages at 72
	04	Cancel <u>H</u> elp

4. By deselecting the BCC option, you will not have to download the email the next time you check for new messages. Instead, place a copy of your outbound messages into your local "Sent" folder.

Preferences		×
<u>C</u> ategory:		
 Appearance Fonts Colors Navigator Mail & Newsgroups Identity Mail Servers Newsgroup Servers Addressing Messages Window Settings Copies and Folders Formatting Return Receipts 	Copies and Folders When sending a mail message, autom ✓ Place a copy in folder: 'Sent' on 'L. BCC: jsmith@address.com BCC Other address: When sending a newsgroup message ✓ Place a copy in folder: 'Sent' on 'L. BCC other address: ✓ Place a copy in folder: 'Sent' on 'L. BCC: jsmith@address.com ✓ BCC: jsmith@address.com BCC: jsmith@address.com	Copies, drafts and templates natically Choose Folder .ocal Mail' Choose Folder e, automatically .ocal Mail' Choose Folder
	Storage for Drafts and Templates Keep drafts in: 'Drafts' on 'Local Mail' Keep templates in: 'Templates' on 'Loc	<u>Choose Folder</u> cal Mail' <u>Choose Folder</u>
	ОК	Cancel <u>H</u> elp

5. Consider sending your email as plain text, rather than HTML. This will reduce the size of your message.



You can also change other preferences for Netscape in this Preferences window, and you are referred to the Netscape documentation for additional information. For example, in order to set your home page, select *Navigator* from the Category list, and modify the appropriate field.

1.4 Outlook Express 5

You can use many email programs with Iridium World Data Services. Following are suggestions for optimizing one popular email program, Outlook Express.

You can optimize your email performance by modifying your email preferences. Open Outlook Express, and select *Tools > Options* from the menu. By deselecting "Include message in reply," the original message will not be included in your reply, thus reducing the size of your outbound messages. Also, consider sending your email as plain text, rather than HTML. This will reduce the size of your message.

You can also create different identities in Outlook Express by selecting *File > Identities*. Refer to the Outlook Express documentation for more information.

Option	\$?
Spell Genera	ing Security I Read Rece	Connection ipts Send	n Maintenance Compose Signatures
Sending	 Save copy of sent r Send messages imm Automatically put pe Automatically compl Automatically compl 	nessages in the 'Sent nediately cople I reply to in my A ete e-mail addresses reply	Items' folder address B <u>o</u> ok when composing
Mail Ser	Reply to messages	using the format in wh	nich they were sent International Settings
1	O <u>H</u> TML ⊙ <u>P</u> lain Text	HTML <u>S</u> ettings.	Plain T <u>e</u> xt Settings
News S	ending Format © HT <u>M</u> L © Plain Te <u>x</u> t	HIML Settings.	Plain Text Settings
		ОК	Cancel Apply

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