



Ponder Pearls Software V3.0 Technical Specification

Basic Overview

The Ponders & Principles Upplet is a small application that launches at computer startup and delivers "thought-a-day" content to the end user. The Library tab enables the user to reorder the quote categories and select additional content streams from our server. The Gadgets tab enables the recipient to install desktop utilities for personal use and enjoyment. The Contacts tab lists contact information for the sponsor of the Upplet.

The Upplet is downloaded from a sponsor's GiftServer page and is approximately 1.5 mb in size. Ponders & Principles utilizes a digital code signature provided by Verisign to certify that we are the publisher of the program. Once installed, the Upplet initializes an IP connection with our server to check for content updates and new sponsor information (logo banner, message, and contact information). It attempts this initialization upon system start up or at midnight.

Though each Upplet has a unique ID code, the recipient's identity remains anonymous unless and until they register by clicking on the "library" tab and enter their first and last name. No email address is required. The system does capture content preference information for registered recipients. Unlike spyware, the system is completely visible to the recipient and can be easily uninstalled at any time.

System Requirements

Operation Systems: Windows 98*, NT*, 2000, ME, XP, Vista

*Unique shape applications and transparency do not render well on these systems.

RAM: 256MB

HD space: approx. 5MB

Detailed System Actions of the Installer, Upplet, and Uninstaller

Installer

- Check for net connection
 - If false show not connected screen
- Extract Sponsor number from filename
- Close Ponders.exe if it is open
- Uninstall Previous application
 - Delete all files and folders in Program Files/Ponders directory
 - Delete shortcuts from StartUp directory and StartMenu directory
 - Remove all Ponders registry entries

- Load application variables from:
[http://www.ponderpearls.com/upplet/config.php/member/"CustomerNumber"](http://www.ponderpearls.com/upplet/config.php/member/)

Sample XML:

```
<?xml version="1.0" encoding="iso-8859-1"?>
<init>
  <version>
    <appVersion>18</appVersion>
    <sponsorVersion>11</sponsorVersion>
    <quoteVersion>39</quoteVersion>
  </version>
  <message number="6">Thank you for downloading my ponders upplet. I hope you
enjoy it.</message>
  <app path="downloads/">ponders.exe</app>
  <branding path="downloads/images/banners/">00162_upplet</branding>
  <skinList path="downloads/skins/grey/">background, btn_close, btn_down,
btn_scroll, btn_up, btn_weblink, dateDisplay, footer, header, msg_alert</skinList>
  <tabs>1-2-3-4-5</tabs>
  <quoteList path="downloads/quotes/quote.php/series/">2-1-8-6-13-4</quoteList>
  <name>Sponsor Name</name>
  <title>Sponsor Title</title>
  <company>Sponsor Company Name</company>
  <address1></address1>
  <address2></address2>
  <phone>123-456-7890</phone>
  <mobile>123-456-7890</mobile>
  <fax>123-456-7890</fax>
  <email>sponsor@sponsor.com</email>
  <sponsorUrl>http://www.ponderpearls.com/sponsorponders/index.php/cust/</sponso
rUrl>
  <weblink>http://www.sponsor.com</weblink>
  <picture path="downloads/images/photos/">1003_upplet.jpg</picture>
  <games path="downloads/games/"
gameSkinsPath="downloads/common/">pearl</games>
  <wallpapers path="downloads/common/">1-2-3</wallpapers>
</init>
```

- Create application folder "Ponders" in Program Files directory
- Create "assets" folder in Program Files/Ponders directory
- Download Games to assets folder from Ponders Server
- Download Quotes to assets folder from Ponders Server
- Download Skins to assets folder from Ponders Server
- Download Application to Ponders folder from Ponders Server
- Set Registry values:
-

```
mRegistry.createKey(pondersKey);
mRegistry.setValue(pondersKey, "CustNum", CustNum);
mRegistry.setValue(pondersKey, "Install", "yes");
mRegistry.setValue(pondersKey, "AppVersion", appVersion);
mRegistry.setValue(pondersKey, "SponsorVersion", sponsorVersion);
mRegistry.setValue(pondersKey, "QuoteVersion", quoteVersion);
mRegistry.setValue(pondersKey, "Tabs", tabArray);
mRegistry.setValue(pondersKey, "Quotes", quoteListArray);
mRegistry.setValue(pondersKey, "Name", contactName);
mRegistry.setValue(pondersKey, "Title", contactTitle);
mRegistry.setValue(pondersKey, "Company", company);
```

```

mRegistry.setValue(pondersKey, "Address1", address1);
mRegistry.setValue(pondersKey, "Address2", address2);
mRegistry.setValue(pondersKey, "Phone", phone);
mRegistry.setValue(pondersKey, "Fax", fax);
mRegistry.setValue(pondersKey, "Email", email);
mRegistry.setValue(pondersKey, "Weblink", weblink);
mRegistry.setValue(pondersKey, "Games", games);
mRegistry.setValue(pondersKey, "Wallpapers", wallpapers);

```

- Create Uninstall File. Copies self to Ponders directory and names the file "uninstall.exe"
- Copy embedded .ico file to Ponders/assets directory
- Create shortcut to Program Files/Ponders.exe from StartUp directory
- Create Ponders folder in StartMenu directory
- Create shortcut to Program Files/Ponders.exe in StartMenu/Ponders directory
- Create shortcut to Program Files/uninstall.exe in StartMenu/Ponders directory
- Launch Ponders.exe
- Quits self

Ponders.exe

- Set application to show in system tray
- Set application to always be on top of other applications
- Set position of application to lower right of monitor
- Set interval to test for date change every 60 seconds
 - If the test date change interval detects a new date the application floats down and reinitializes itself.
- Check for net connection
- If not connected, load content from already stored information
- If connected –
- Get Sponsor Number from Registry
- Get GUID of computer (unique identifier)
- Load application variables from:

```

http://www.ponderpearls.com/upplet/config.php/member/"CustomerNumber"
/logNum/1/GUID/"GUID" (see above for sample xml)

```

*Ponders server uses logNum to log that a unique user has launched the app.
- Reset registry values to values from xml

```

mRegistry.setValue(pondersKey, "Name", contactName);
mRegistry.setValue(pondersKey, "Title", contactTitle);
mRegistry.setValue(pondersKey, "Company", company);
mRegistry.setValue(pondersKey, "Address1", address1);
mRegistry.setValue(pondersKey, "Address2", address2);
mRegistry.setValue(pondersKey, "Phone", phone);
mRegistry.setValue(pondersKey, "Mobile", mobile);
mRegistry.setValue(pondersKey, "Fax", fax);
mRegistry.setValue(pondersKey, "Email", email);
mRegistry.setValue(pondersKey, "Weblink", weblink);
mRegistry.setValue(pondersKey, "Tabs", tabArray);
mRegistry.setValue(pondersKey, "Quotes", quoteListArray);

```

- Download Sponsor picture from Ponders server
- Download skins from Ponders server
- Download tabs from Ponders server

- Download branding from Ponders server
- Check for new quotes
 - If there are new quotes
 - Delete stored quotes
 - Download new quotes
 - Update Registry with new quote list
 - Update Registry with new quote version number
- Retrieve application variables from Registry
- Load skins from assets folder
- Load appropriate quotes based on the date of the users computer
- Float application up to make visible
- Check if an application update is available
 - If so, flash message icon
 - Message prompts user to download new app
 - New installer is downloaded and ran (see Installer.exe above)
- Check sponsor version number to see if new games or wallpapers are available
 - If so, flash message icon
 - Message prompts user to download new content
 - Delete current games, game skins, and wallpaper skins
 - Download new games, game skins, and wallpaper skins
 - Update Registry values for games and wallpapers
- Check message version for new messages
 - If so, flash message icon
 - Message shows new message
 - Update Registry with new message number and message text

Uninstall.exe

- Close Ponders.exe if it is open
- Delete all files and folders in Program Files/Ponders directory
- Delete shortcuts from StartUp directory and StartMenu directory
- Remove all Ponders registry entries

If there are further questions regarding this system, please do not hesitate to contact us at the below address:

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