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ACRA Reg. No.: LL0500002C

Fragnetics LLP
420 North Bridge Road
#05-13 North Bridge Centre
Singapore 188727

Game Server Administration Guide

Author: Christopher Choo
Date: 6 January 2007
Version: 2.0

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Introduction

Congratulations on hosting your game server with Fragnetics! Our team has developed a simplified control panel to assist both technical and non-technical gamers in modifying common game server settings. This document covers the main features present in a typical control panel setup and touches on how administrators can connect to their game servers via FTP. It does not cover specific server-management software in games such as Battlefield 2 and Battlefield 2142.

Activation E-Mail

An activation e-mail is sent to all game server subscribers within 2 days after Fragnetics administrators have confirmed payment for the server. The activation e-mail would contain details similar to this:

Server Name/Port: 203.81.44.237:27015 or ragefaction.fragnetics.com:27015 Username (FTP/Home): ragefaction Rcon/Home/FTP password: testing Player Limit: 12-player server
--

Server Name

Fragnetics supplies an IP address and port in addition to a DNS name of the game server (e.g. ragefaction.fragnetics.com). Players should connect to the game server using either the IP address or the DNS name. FTP access is also provided through the same server.

Port Number

This refers to the port number of the **game server instance**. Please note that this **is not the FTP port** number, but only the game server port.

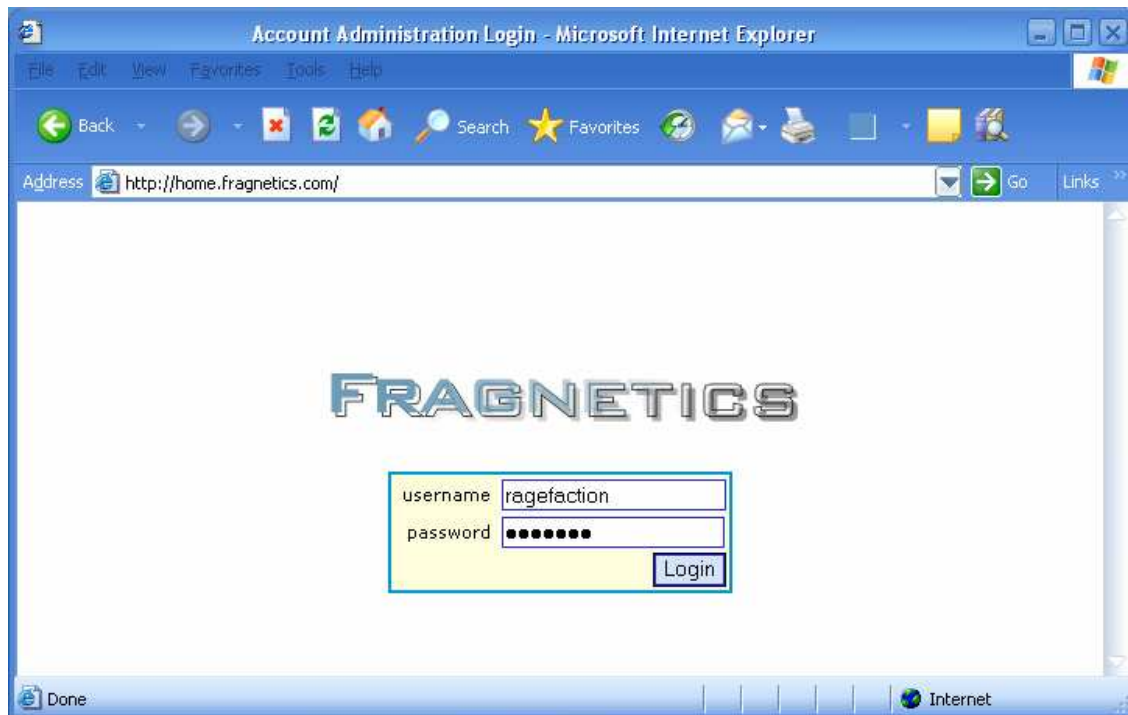
Username and Password

This refers to the username and password for your Control Panel/FTP account. This is identical to your rcon password **only at the beginning**. Changing your rcon password later using the Control Panel or FTP **will not change** the Control Panel/FTP password. Changes to your Control Panel/FTP password can only be done through a Fragnetics administrator.

Connecting to the Control Panel

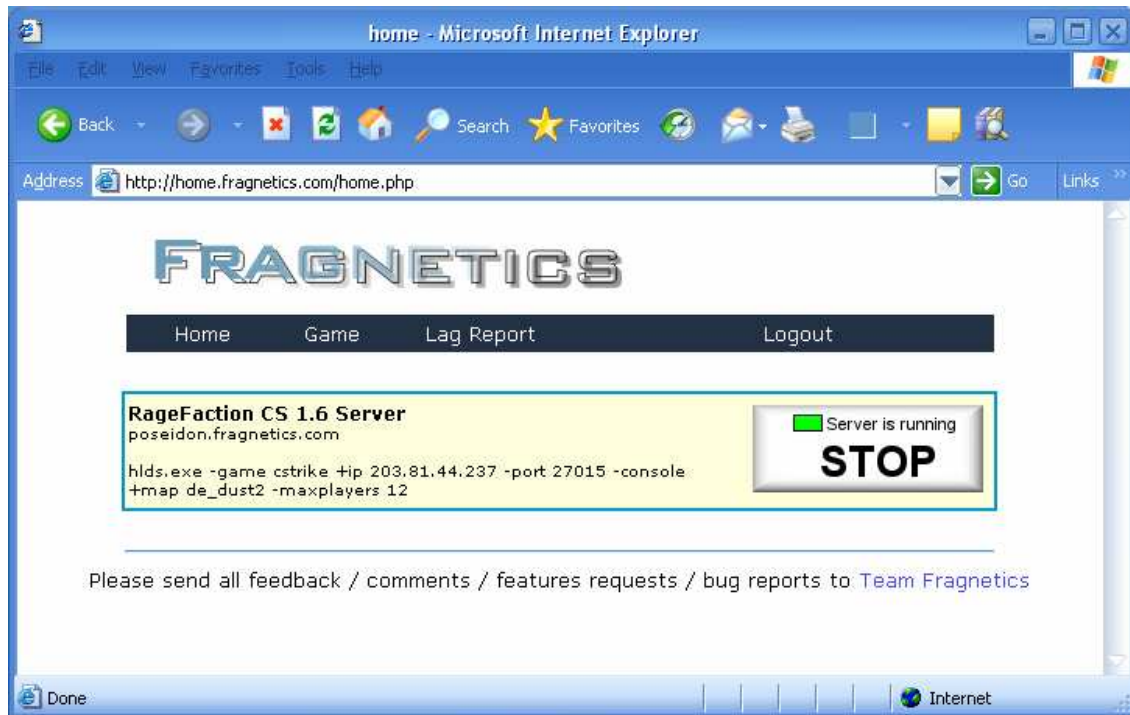
The Fragnetics Game Server Control Panel is accessible through <http://home.fragnetics.com>

Key in the username and password according to the activation e-mail and click on “Login”:



Server Status

A screen showing the status of your game server will be displayed upon login:



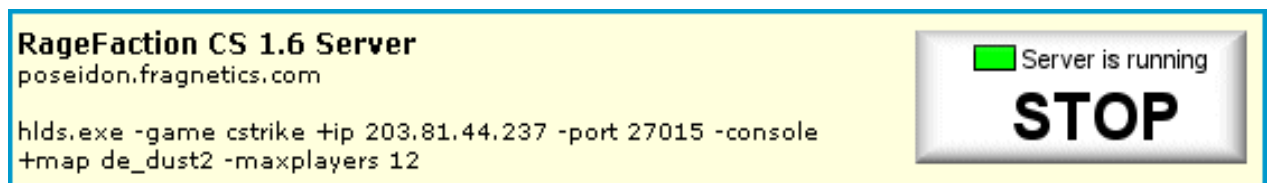
The server status screen consists of the following items:

Navigation Bar

The navigation bar contains links to the Home (Server Status), Game, Lag Report, and Logout pages.

Server Details

The server status page displays details of your game server in the following format:

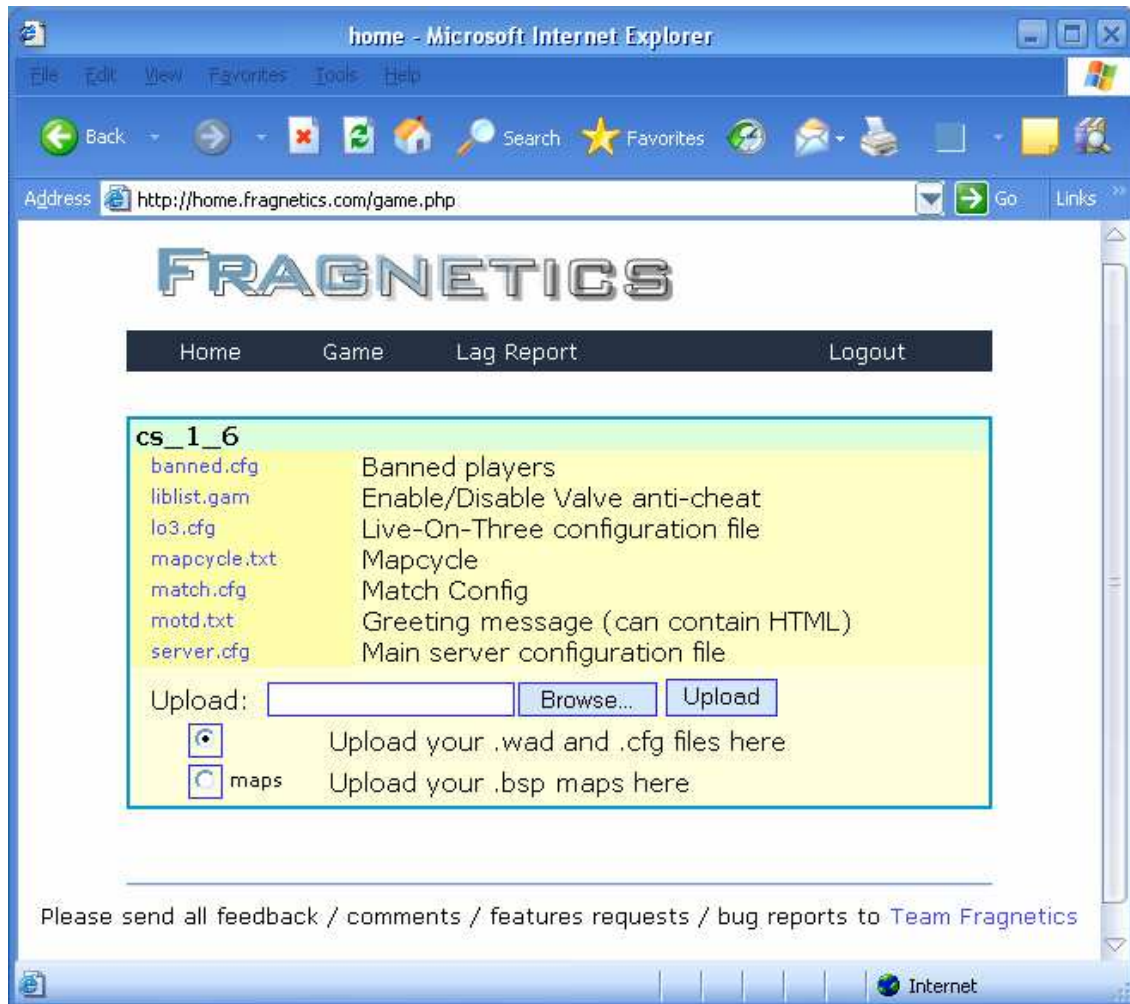


The first line in **bold** is the description of your game server in the Fragnetics database. The second line, in this case *poseidon.fragnetics.com*, is the actual name of the physical server hosting your game instance. The third line, in this case *hlds.exe -game...*, is the command-line used to start your server.

Restarting the Server

The button on the right shows the status of the server. Clicking on the “green” button stops the game server. Clicking on the button again restarts the server. Remember to stop the server **before** changing configuration files because some programs lock configuration files while the server is running.

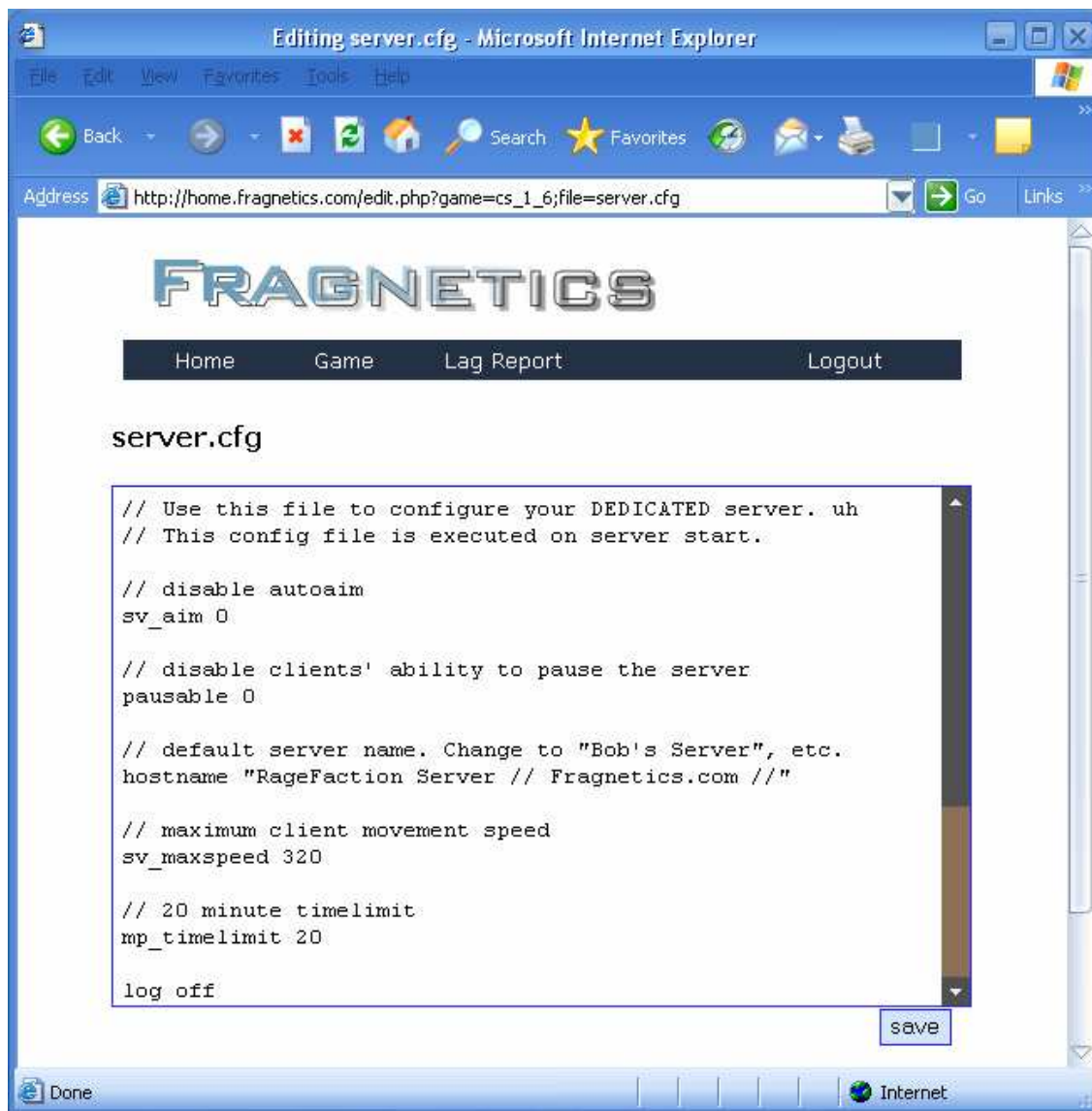
Game Configuration



Clicking on the “Game” tab on the navigation bar will bring you to a screen that displays a list of common configuration files for your game server. The list of configuration files varies depending on the game and mods registered under your account. Short descriptions for the configuration files are also available in the control panel.

The control panel also has experimental support for map uploads. However, we recommend that administrators upload custom maps via FTP especially if these maps are accompanied with additional content.

Editing Configuration Files



Clicking on individual configuration files will bring up a text editor, which you can use to directly modify game server settings. Once you're done, click on the "save" button to write the configuration file back to the server. A list of game server admin websites is provided at the end of this document for you to learn more about settings and software available for each game server type.

Lag Reporting

The screenshot shows a Microsoft Internet Explorer window titled "Team Fragnetics - Microsoft Internet Explorer". The address bar displays "http://www.fragnetics.com/support/lag/". The page features the "FRAGNETICS" logo and a navigation bar with links: Articles, Downloads, Support, Projects, Services, Forums, Team, and Sign-up Now!. Below the navigation bar is a "Lag Report" section. The text explains that the page allows users to send a lag report that generates important traceroute information, advising users not to run other Internet applications while the report is being compiled. It then asks users to fill in the following information and click "Begin Trace" to start the traceroute, noting that the process should last about 5 minutes.

Name/Nick: Christopher Choo
Email: chris_choo@hotmail.co
Symptoms Encountered: Jerky Gameplay
Happened to: Me only
Server: a(nuva : Deathmatch Xion [86 tick] // Fragnetics.com

Your IP is 220.255.169.206 (bb220-255-169-206.singnet.com.sg) ()

Comments:
Jerky gameplay from about 10pm to 11pm on 6 Jan 2006.

Please note that:

1. Running P2P applications such as Bittorrent and Limewire will affect gameplay latencies (Tip: set global upload to 10KB/s)
2. Spyware/ Malware/Viruses will clog your internet pipe for unauthorized usages. Use programs such as "Spybot Search and Destroy" to check your system
3. Games like Counter-Strike Source and Battlefield 2142 require relatively powerful CPU/ graphics card to play smoothly
4. Playing in most public cybercafes may not result in the best experience as they normally do not have enough bandwidth.

Begin Trace

Clicking on the “Lag Report” tab in the navigation bar will open a new window similar to the screen above. Follow the instructions on-screen and click on the “Begin Trace” button to start a trace. This program generates a report based on a trace from the server to your computer over a 5-minute period. Data from this report helps Fragnetics administrators to resolve network issues in a timely manner. Traces are most useful when done **at the time when players experience lag**. Traces done when the lag has cleared are not particularly useful to our administrators.

FTP Access

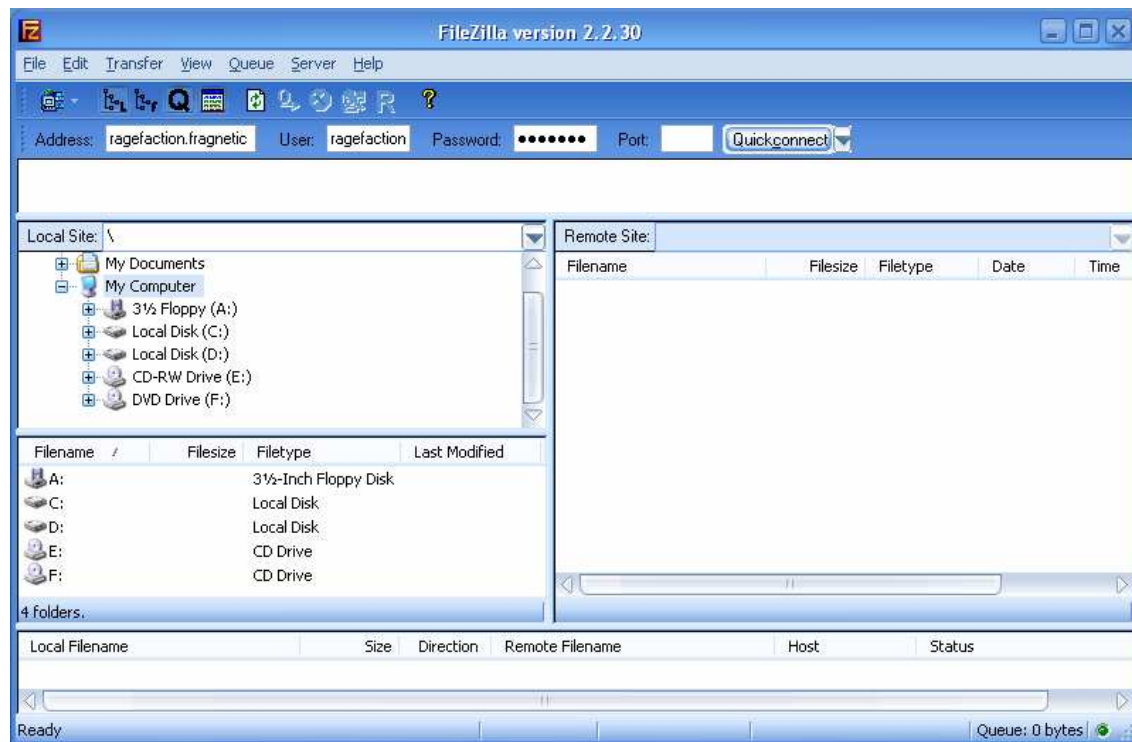
FTP access is also provided with all game server accounts, with the exception of Battlefield 2 and 2142 ranked servers. This allows more experienced server administrators to modify server settings that are not found in the typical Control Panel. We recommend the use of the open-source FileZilla FTP Client, downloadable for free at <http://filezilla.sourceforge.net/> . Download the latest version available for Windows, for instance [FileZilla 2.2.30a_setup.exe](#) .

Please remember to **stop the server** before modifying files using FTP. This section covers the use of FileZilla, but administrators can upload and download content from the game server using any other FTP software. After downloading and installing the software, run the FileZilla program and enter the following details in the top bar of the screen:

Address: Use the name or IP address in the activation e-mail (e.g. ragefaction.fragnetics.com)

Username and Password: As provided in the activation e-mail

Port: **Leave this blank** and **click on QuickConnect**



The directory structure of the game server will be displayed on the right-hand column while the directories on your computer will be displayed on the left. Download or upload the relevant files by dragging and dropping files from one column to another. Remember to restart the server using the Control Panel once all changes have been made.

Game Server Administration Websites

Detailed game server guides are available at the following websites to assist you in configuring your game server better:

- 1) Counter-Strike: <http://server.counter-strike.net>
- 2) AMX Mod X for Counter-Strike v1.6: <http://www.amxmodx.org>
- 3) Mani Mod for Counter-Strike Source: http://www.pro-hl.com/css_admin.shtml
- 4) Battlefield 2142cc: <http://www.2142cc.com>
- 5) HLSW (Game Server Monitoring Tool): <http://www.hlsz.org>

This brings us to the end of the Administration Guide. Thank you for gaming with Fragnetics!