### Hoth

Using Hoth

Version 1.0

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Hoth

Hoth aims to help developers better understand exceptions--caught or not--in

their application so you can prioritize resolution. Hoth is a simple but

effective exception content tracking system.

What does Hoth do?

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Hoth can send you an alert when a new, unique exception occurs within your

Application. You only receive these alerts the first time an exception is seen

by Hoth.

Is that all Hoth does?

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Nope! It gets better. Hoth also tracks each occurrence so you can quickly

understand how frequent an exception is within your app. No more hunting

through log files that repeat messages over, and over.

Why should you use Hoth?

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Hoth helps you analyze your errors so you can prioritize and fix them

without hunting through log, after log, after log......after log.

High-level, 50,000 ft. view

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There are two distinct parts to Hoth: Tracking and Reporting.

Tracking

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Tracking is common to all applications and very easy to set up. These

instructions will apply to all applications.

Reporting

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Things become a little (but not a lot) more complex here. Reporting

requires access to your server from a HTTP call. This is your responsibility

to setup--and there are lots of paths you can take to implement reporting.

Wiki

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<https://github.com/aarongreenlee/Hoth/>

Introducing Hoth: ColdFusion Error Tracking and Reporting

Hoth is a lightweight, framework agnostic solution to understanding the answers to two important questions without wading through log files:

* Is this a new, unique error I have not seen before?
* How many times has this error occurred?

Before you implement Hoth you need to know...

**Hoth is fast!** Hoth was designed to be very fast. But, if you see a way to make it faster I hope you'll make a pull request!

**Hoth fails silently!** Since Hoth would not do you any good if it had errors of it's own that allowed stacktraces to be seen by your visitors Hoth has been designed to fail silently. Unfortunately, this means you won't know if Hoth failed. You should test Hoth by setting a variable to some undefined variable after you have everything working to verify the logs were written and the UI is accessible to you.

**Tracking errors takes very little work on your part!** Implementing Hoth to track exceptions should be the same for all CFML applications.

**Accessing Hoth Reports WILL take work on your part!** Things become a little (but not a lot) more complex here. Reporting requires access to your server from a HTTP call. This is your responsibility to setup--and there are lots of paths you can take to implement reporting.

Hoth License

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Dependencies

N/A

Implementing Hoth

Steps in using Hoth in implementing inside Application.cfm

**Grab Hoth Files**

The Hoth files contains directory and files that makes the Hoth work. Copy the Hoth directory to the desired location. Put Hoth on your server, or, in the root of your project.

Github: <https://github.com/vladimiryardan/Hoth_ApplicationCfm.git>

Ford: C:\inetpub\wwwroot\Hoth\_ApplicationCfm

**Add / Edit ColdFusion Mappings in CF Admin**

Go to CF admin Mappings and create a mapping "Hoth" for the directory you installed Hoth.

Logical Path: [/Hoth](http://localhost:8500/CFIDE/administrator/settings/mappings.cfm?name=%2FHoth&csrftoken=6275143DC747528A60277343A1F1F695597BEB02)

Directory Path: C:\inetpub\wwwroot\Hoth\_ApplicationCfm\Hoth

**Edit the config file**

To configure Hoth we will need to edit the config file and change the values. The values in the config file are property names with corresponding values. We can’t set the property values to have dynamic coldfusion variables.

Config File Path:

C:\inetpub\wwwroot\Hoth\_ApplicationCfm\Hoth\config\HothConfig.cfc

Note: The important values to replace

/\*\* Would you like new exceptions to be emailed to you?

- if this settings is false. the log will be available in the file system. location will be the logPath value

\*/

property name='EmailNewExceptions' default='true';

/\*\* What address(es) should receive these e-mails? \*/

property name='EmailNewExceptionsTo' default='support@autorevolution.com';

//:vladedit: immportant in displaying to the browser

property

name='HothReportURL'

default='http://ford.autorevolution.net/hothApplication\_cfm/Hoth/Report.cfc';

**Force an error**

Let’s create the first error by visiting our error generator. The error generator which is index.cfm contains line of undefined variables that randomly generate errors on different lines in the code.

<http://ford.autorevolution.net/Hoth_ApplicationCfm/index.cfm>

**Visit the error report page**

The error page display list of

[**http://ford.autorevolution.net/Hoth\_ApplicationCfm/hoth/report.cfc?method=index**](http://ford.autorevolution.net/Hoth_ApplicationCfm/hoth/report.cfc?method=index)

**Limitation:**

Implementing Hoth via Application.cfm will put all error logs in the logPath property which is defined in the Hoth config file

/\*\* Where would you like Hoth to save exception data?

This folder should be empty when you start. \*/

property name='logPath' default='/Hoth/hoth\_logs';

We can’t set the property values of the config file to have dynamic coldfusion variables. We need to enter the values in the properties of the config file.

In this document we have defined the steps in implementing Hoth via Application.cfm but using Hoth in Application.cfc is better to separate the Hoth instances on each application.

Having a Hoth mapping in CF admin will take precedence over Hoth mappings defined in Application.cfc

**Add Hoth to other Application:**

To add Hoth to other application use the cferror tag and hoth\_error.cfm. Add cferror tag below to the Application.cfm and copy the hoth\_error.cfm to the root of the application.

<cferror

type="exception"

exception="any"

template="hoth\_error.cfm"

>