

Re: Splitting and comparing file names

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 - *Date:* 14 Dec 2006 09:42:29 -0800
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Jake wrote:

Thanks to some help on another thread I have a perl script that will generate a file in the following format:

```
hostname#val1#val2#val3.load
```

Are those # symbols actually part of the file name, or are you using them to demark the different values? Giving actual sample data along with the general format would really be much preferred...

The idea now is to read in each of the file names, generate a mean
($\text{meanval} = (\text{val1} + \text{val2} + \text{val3}) / 3$)

Are there **always** three values, or is this just the formula for when there are three values? Again, sample data would be nice.

and then compare the mean between the three systems to determine the server with the lowest average load for the past 15 minutes. I'm at the point where I'm not sure exactly how to manage the split

Why are you presuming the need for split?

and then be able to run equations against the values. Here's what I have so far to pull in the file to an array. Perhaps there is a more efficient method of gathering that information as well...

```
#!/usr/bin/perl  
use strict;  
use warning;
```

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```
my ($hostname, $val1, $val2, $val3, $filename, @filesfound);
```

You have a case of premature declaration. Don't do that. Declare your variables as you need them. Reduces the possibility of name collisions, makes the code more readable, reduces memory consumption.

```
chdir ("/store/admin/tools/load");
```

Why? Changing the current local directory is not necessary for opening that directory for reading.

```
opendir (DIR, "/store/admin/tools/load")
```

You should use lexical file and directory handles these days, not global barewords.

```
|| die "Directory not found or unable to be opened. $!\n";
```

Don't guess as to the problem in your hard-coded error message. That's w