

sh语法速查

1. 判断文件类型

shell判断文件,目录是否存在或者具有权限

```
#!/bin/sh
```

```
myPath="/var/log/httpd/"
```

```
myFile="/var /log/httpd/access.log"
```

这里的-x 参数判断\$myPath是否存在并且是否具有可执行权限

```
if [ ! -x "$myPath" ]; then
```

```
mkdir "$myPath"
```

```
fi
```

这里的-d 参数判断\$myPath是否存在

```
if [ ! -d "$myPath" ]; then
```

```
mkdir "$myPath"
```

```
fi
```

这里的-f 参数判断\$myFile是否存在

```
if [ ! -f "$myFile" ]; then
```

```
touch "$myFile"
```

```
fi
```

其他参数还有-n, -n是判断一个变量是否是否有值

```
if [ ! -n "$myVar" ]; then
```

```
echo "$myVar is empty"
```

```
exit 0
```

```
fi
```

两个变量判断是否相等

```
if [ "$var1" = "$var2" ]; then
```

```
echo '$var1 eq $var2'
```

```
else
```

```
echo '$var1 not eq $var2'
```

```
fi
```

-f 和-e的区别

Conditional Logic on Files

-a file exists.

-b file exists and is a block special file.

-c file exists and is a character special file.

-d file exists and is a directory.

-e file exists (just the same as -a).

-f file exists and is a regular file.

-g file exists and has its setgid(2) bit set.

-G file exists and has the same group ID **as** this process.
-k file exists and has its sticky bit set.
-L file exists and is a symbolic link.
-n string length is not zero.
-o Named option is **set** on.
-O file exists and is owned by the user ID of this process.
-p file exists and is a first **in**, first out (**FIFO**) special **file** or named pipe.
-r file exists and is readable by the current process.
-s file exists and has a **size** greater than zero.
-S file exists and is a socket.
-t file descriptor number **fdes** is open and associated with a terminal device.
-u file exists and has its **setuid(2)** bit set.
-w file exists and is writable by the current process.
-x file exists and is executable by the current process.
-z string length is zero.

是用 **-s** 还是用 **-f** 这个区别是很大的！

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