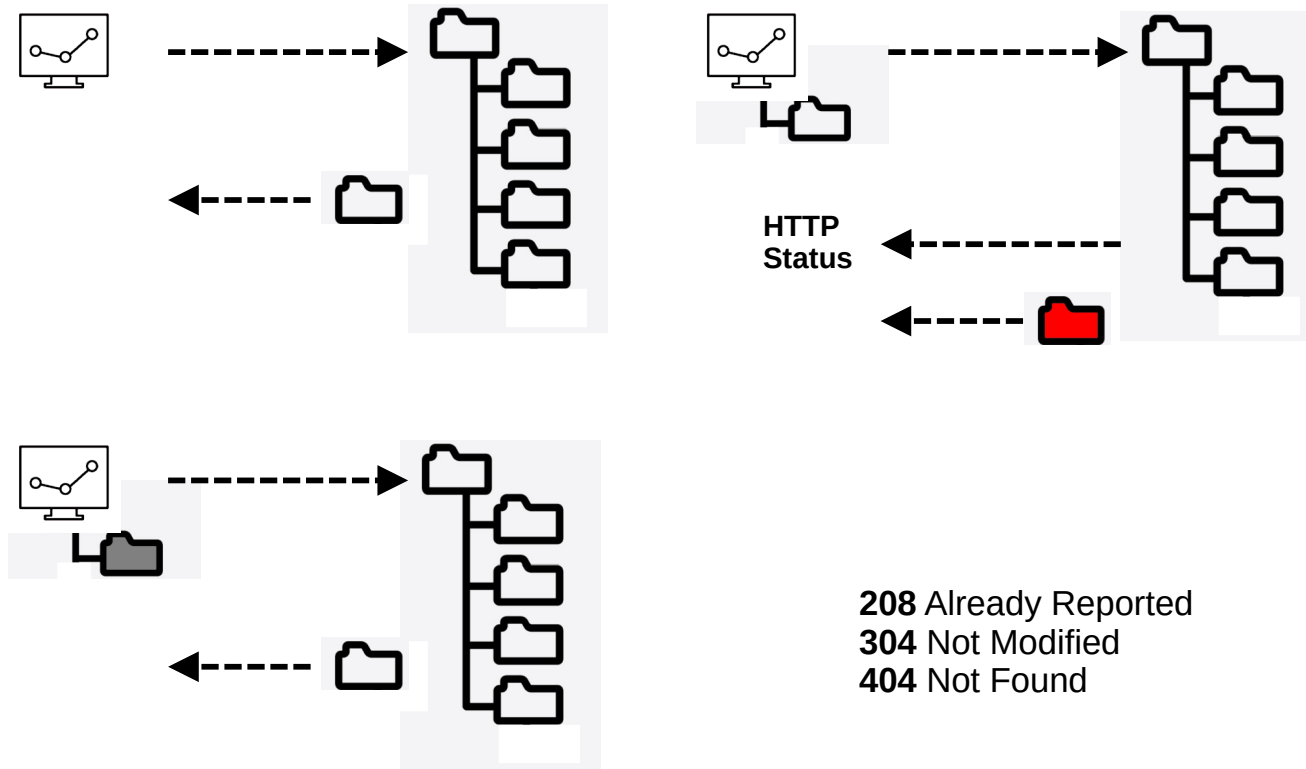
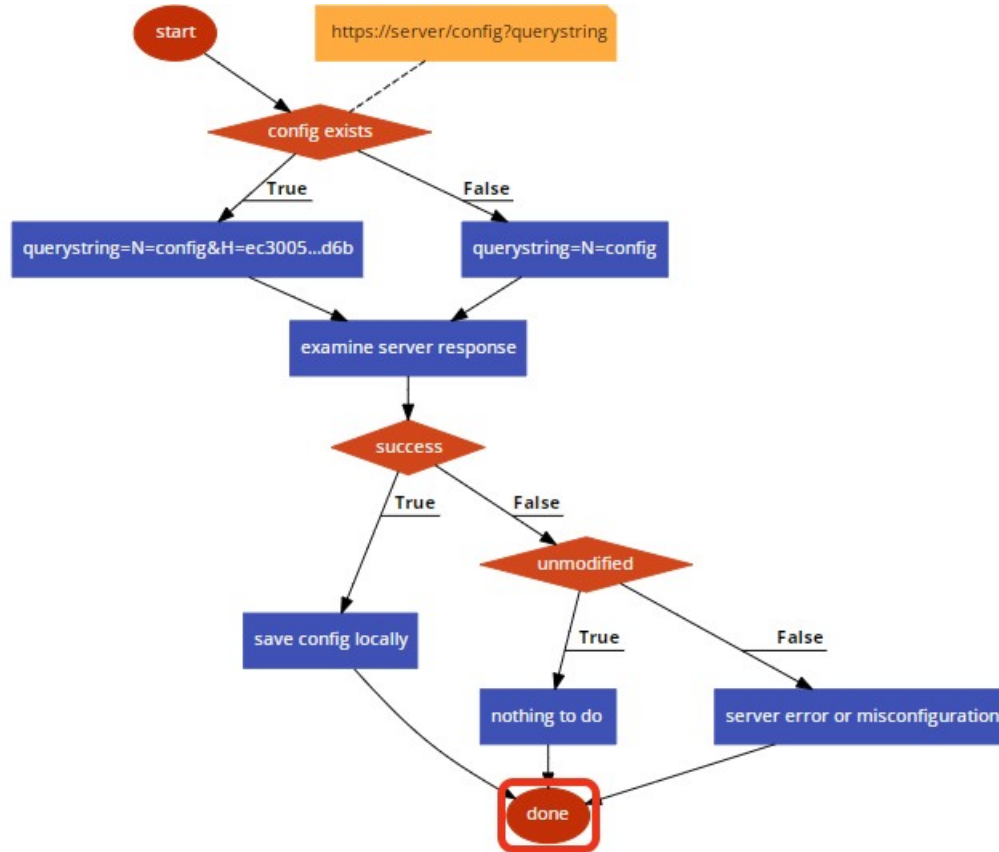


Config Server Operation



Client Logic Flow



Accessing HTTP Status Code

```
use LWP::Simple;  
$status = mirror($url, $outputfile)
```

```
use HTTP::Tiny;  
  
$response = HTTP::Tiny->new()  
    ->mirror($url, $outputfile,  
            \%options)
```

```
$status = $response->{status}
```

```
try{  
    $response = invoke-webrequest -uri $url  
        -outfile $outfile -passthru  
} catch [Exception]{  
    $status =  
        $_.Exception.Response.StatusCode.value__  
}
```

[System.Management.Automation.Errorrecord](#)
[System.Net.WebException](#)
[System.Net.WebExceptionStatus](#)
[System.Net.WebResponse](#)
[System.Net.WebheaderCollection](#)
[System.Net.HttpStatusCode](#)



HTTP Status 40x 50x and 304

```
PS E:\> Invoke-WebRequest -Uri 'http://localhost:8085/configs/file_hash_status?filename=?data.json&hash=0DFA1329F15FEFA8648856794EB33244' -erroraction
silentlycontinue -passthru -outfile a.json
Invoke-WebRequest : The remote server returned an error: (500) Internal Server Error.
At line:1 char:1
+ Invoke-WebRequest -Uri 'http://localhost:8085/configs/file_hash_status?filename= ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:HttpWebRequest) [Invoke-WebRequest], WebException
+ FullyQualifiedErrorId : WebCmdletWebResponseException,Microsoft.PowerShell.Commands.InvokeWebRequestCommand
```

```
PS E:\> Invoke-WebRequest -Uri 'http://localhost:8085/configs/file_hash_status2?filename=data.json&hash=0DFA1329F15FEFA8648856794EB33244' -erroraction
silentlycontinue -passthru -outfile a.json
Invoke-WebRequest : The remote server returned an error: (404) Not Found.
At line:1 char:1
+ Invoke-WebRequest -Uri 'http://localhost:8085/configs/file_hash_status2?filename ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:HttpWebRequest) [Invoke-WebRequest], WebException
+ FullyQualifiedErrorId : WebCmdletWebResponseException,Microsoft.PowerShell.Commands.InvokeWebRequestCommand
```

```
PS E:\> Invoke-WebRequest -Uri 'http://localhost:8085/configs/file_hash_status?filename=data.json&hash=0DFA1329F15FEFA8648856794EB33244' -erroraction
silentlycontinue -passthru -outfile a.json
Invoke-WebRequest : The remote server returned an error: (304) Not Modified.
At line:1 char:1
+ Invoke-WebRequest -Uri 'http://localhost:8085/configs/file_hash_status?filename= ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:HttpWebRequest) [Invoke-WebRequest], WebException
+ FullyQualifiedErrorId : WebCmdletWebResponseException,Microsoft.PowerShell.Commands.InvokeWebRequestCommand
```

```
PS D:\> invoke-restmethod -uri 'http://localhost:8085/configs/file_hash_status?filename=?data.son&hash=0DFA1329F15FEFA8648856794EB33244' -e
rroraction silentlycontinue
invoke-restmethod : The remote server returned an error: (500) Internal Server Error.
At line:1 char:1
+ invoke-restmethod -uri 'http://localhost:8085/configs/file_hash_status?filename ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (System.Net.HttpWebRequest:HttpWebRequest) [Invoke-RestMethod], WebException
+ FullyQualifiedErrorId : WebCmdletWebResponseException,Microsoft.PowerShell.Commands.InvokeRestMethodCommand
```

Code

Server

- **Perl** (with and w/o use CGI)
- **Java Spring**
- **.Net** (stub)

Client

- Perl
- Powershell (Invoke-RestMethod)
- Powershell (Invoke-WebRequest)
- Scheduled Task creator script (existing)
- Installer script (existing)
- **Configurable Metric inventory script**