

```
$ ./getArchiveMetadata.sh
Enter the master HTTP address [https://proe-master.acme.com:4285]: https://
proe-master.crashplan.com:7285
Enter your web credentials for https://proe-master.crashplan.com:7285
[admin:admin]:
```

WebRestoreInfo shows the node that the archive is stored on

```
==== WebRestoreInfo ====
```

```
Enter source GUID      : 573503890138333185
```

```
Enter destination GUID: 73
```

```
Press enter to GET WebRestoreInfo?srcGuid=573503890138333185&destGuid=73 :
```

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:26:32.206-06:00",
    "params": {
      "destGuid": "73",
      "srcGuid": "573503890138333185"
    }
  },
```

```
  "data": {
    "computerGuid": "573503890138333185",
    "userId": 3,
    "orgId": 6,
    "destinationGuid": "73",
    "destinationType": "CLUSTER",
    "nodeGuid": "8301",
    "serverUrl": "http://proe-storage3.crashplan.com:8380",
    "securityKeyType": "AccountPassword",
    "sizeLimitInMB": 2147483647,
    "restoreAuthorized": true
  }
}
```

Note: The use of unencrypted HTTP is discouraged.
This is for demonstration only

copy and paste

```
Enter archive's node's HTTP address (copy serverUrl above): http://proe-
storage3.crashplan.com:8380
```

```
==== AuthToken ==== AuthToken logs you into the archive's node
```

```
Press enter to POST AuthToken to archive node:
```

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:26:57.377-06:00",
    "params": {}
  },
  "data": [
    "1qq8tr1791w6p1q3tkcjusv139",
    "0muojos10tm7y1oforeil4xhw1"
  ]
}
```

Enter authToken part 1: 1qq8tr1791w6p1q3tkcjusv139

Enter authToken part 2: 0muojos10tm7y1ofoeil4xhw1

The DataKeyToken from the master allows the storage node to ask the master for the data encryption key. The token is only valid for a very short period of time.

==== DataKeyToken ====

Press enter to POST DataKeyToken {"computerGuid":"573503890138333185"} :

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:27:13.258-06:00",
    "params": {}
  },
  "data": {"dataKeyToken":
"28bfb72f8b6c39b60b6021baacc5f5a7e9f628a79fc3cbbf3bc027b5751a2b93"}
}
```

==== WebRestoreSession ====

**** NOTE **** You only have 15 seconds to enter this dataKeyToken

Enter dataKeyToken from DataKeyToken response:

28bfb72f8b6c39b60b6021baacc5f5a7e9f628a79fc3cbbf3bc027b5751a2b93

POST WebRestoreSession { "computerGuid":"573503890138333185",
"dataKeyToken":"28bfb72f8b6c39b60b6021baacc5f5a7e9f628a79fc3cbbf3bc027b5751a2b93" }:

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:27:19.446-06:00",
    "params": {}
  },
  "data": {"webRestoreSessionId" "0gdvw7sk5fgt1u81f0ccwb404"}
}
```

==== WebRestoreTreeNode (find root) ====

Enter webRestoreSessionId from request above: 0gdvw7sk5fgt1u81f0ccwb404

POST WebRestoreTreeNode?

guid=573503890138333185&webRestoreSessionId=0gdvw7sk5fgt1u81f0ccwb404&includeOsMetadata=true

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:27:54.312-06:00",
    "params": {
      "guid": "573503890138333185",
      "includeOsMetadata": "true",
      "webRestoreSessionId": "0gdvw7sk5fgt1u81f0ccwb404"
    }
  },
  "data": [ {
    "filename": "/",
    "path": "/",

```

The root file ID is found

```
"id": "885bf69dc0168f3624435346d7bf4836",
"lastBackupMs": 1362583284121,
"lastBackup": "2013-03-06T09:21:24.121-06:00",
"lastModifiedDate": "2013-03-01T08:54:33.000-06:00",
"lastModified": 1362583284121,
"deleted": false,
"hidden": false,
"type": "directory",
"date": "03/06/13 09:21 AM",
"osMetadata": {
  "os": "OSX",
  "backupDate": "1903-12-31T18:00:00.000-06:00",
  "accessDate": "2013-03-01T08:54:33.000-06:00",
  "createDate": "2012-05-23T13:42:50.000-05:00",
  "contentModDate": "2013-03-01T08:54:33.000-06:00",
  "sourceChecksum": "6666cd76f96956469e7be39d750cc7d9",
  "sourceLength": 0
}
}]
}
```

Here is the root fileId

==== WebRestoreTreeNode (find file) ====

Enter fileId from request above: 885bf69dc0168f3624435346d7bf4836

Enter file type (directory or file) [directory] :

Finding files in the root dir

POST WebRestoreTreeNode?

guid=573503890138333185&webRestoreSessionId=0gdww7sk5fgt1u81f0ccwb404&fileId=885bf69dc0168f3624435346d7bf4836&includeOsMetadata=true&type=directory

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:28:14.628-06:00",
    "params": {
      "guid": "573503890138333185",
      "fileId": "885bf69dc0168f3624435346d7bf4836",
      "includeOsMetadata": "true",
      "type": "directory",
      "webRestoreSessionId": "0gdww7sk5fgt1u81f0ccwb404"
    }
  },
  "data": [ {
    "filename": "Users",
    "path": "/Users",
    "id": "c2dc0a9bc27be41cb84d6ae91f6a0974",
    "lastBackupMs": 1362583284241,
    "lastBackup": "2013-03-06T09:21:24.241-06:00",
    "lastModifiedDate": "2012-05-23T14:05:05.000-05:00",
    "lastModified": 1362583284241,
    "deleted": false,
```

```
"hidden": false,
"type": "directory",
"date": "03/06/13 09:21 AM",
"osMetadata": {
  "os": "OSX",
  "backupDate": "1903-12-31T18:00:00.000-06:00",
  "accessDate": "2012-05-23T14:05:05.000-05:00",
  "createDate": "2011-05-25T11:01:08.000-05:00",
  "contentModDate": "2012-05-23T14:05:05.000-05:00",
  "sourceChecksum": "1547cfa9919ecd59ca143be176037082",
  "sourceLength": 0
}
}]
}
```

==== WebRestoreTreeNode (find file) ====

Enter fileId from request above: c2dc0a9bc27be41cb84d6ae91f6a0974

Enter file type (directory or file) [directory] :

POST WebRestoreTreeNode?

guid=573503890138333185&webRestoreSessionId=0gdwvw7sk5fgt1u81f0ccwb404&fileId=c2dc0a9bc27be41cb84d6ae91f6a0974&includeOsMetadata=true&type=directory

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:28:23.381-06:00",
    "params": {
      "guid": "573503890138333185",
      "fileId": "c2dc0a9bc27be41cb84d6ae91f6a0974",
      "includeOsMetadata": "true",
      "type": "directory",
      "webRestoreSessionId": "0gdwvw7sk5fgt1u81f0ccwb404"
    }
  },
  "data": [ {
    "filename": "jcarlson",
    "path": "/Users/jcarlson",
    "id": "8c308e38dbc8341069921103d80cf493",
    "lastBackupMs": 1362583284245,
    "lastBackup": "2013-03-06T09:21:24.245-06:00",
    "lastModifiedDate": "2013-03-06T08:37:50.000-06:00",
    "lastModified": 1362583284245,
    "deleted": false,
    "hidden": false,
    "type": "directory",
    "date": "03/06/13 09:21 AM",
    "osMetadata": {
      "os": "OSX",
      "backupDate": "1903-12-31T18:00:00.000-06:00",
```

```
    "accessDate": "2013-03-06T08:37:50.000-06:00",
    "createDate": "2012-05-23T14:05:05.000-05:00",
    "contentModDate": "2013-03-06T08:37:50.000-06:00",
    "sourceChecksum": "6a3aa1e337b7766c1035051e40e1828f",
    "sourceLength": 0
  }
}]
}
```

==== WebRestoreTreeNode (find file) ====

Enter fileId from request above: 8c308e38dbc8341069921103d80cf493

Enter file type (directory or file) [directory] :

POST WebRestoreTreeNode?

guid=573503890138333185&webRestoreSessionId=0gdwvw7sk5fgt1u81f0ccwb404&fileId=8c308e38dbc8341069921103d80cf493&includeOsMetadata=true&type=directory

```
{
  "metadata": {
    "timestamp": "2013-03-06T16:28:30.166-06:00",
    "params": {
      "guid": "573503890138333185",
      "fileId": "8c308e38dbc8341069921103d80cf493",
      "includeOsMetadata": "true",
      "type": "directory",
      "webRestoreSessionId": "0gdwvw7sk5fgt1u81f0ccwb404"
    }
  },
  "data": [ {
    "filename": "bin",
    "path": "/users/jcarlson/bin",
    "id": "a4d43e7d4e86b71515c52d39ef2a9f8b",
    "lastBackupMs": 1362583284251,
    "lastBackup": "2013-03-06T09:21:24.251-06:00",
    "lastModifiedDate": "2013-03-01T12:10:11.000-06:00",
    "lastModified": 1362583284251,
    "deleted": false,
    "hidden": false,
    "type": "directory",
    "date": "03/06/13 09:21 AM",
    "osMetadata": {
      "os": "OSX",
      "backupDate": "1903-12-31T18:00:00.000-06:00",
      "accessDate": "2013-03-01T12:10:11.000-06:00",
      "createDate": "2010-03-08T11:14:33.000-06:00",
      "contentModDate": "2013-03-01T12:10:11.000-06:00",
      "sourceChecksum": "374dad33e8f7bca69bb42086c6c7a130",
      "sourceLength": 0
    }
  }
]
```

```
}]  
}
```

==== WebRestoreTreeNode (find file) ====

Enter fileId from request above: a4d43e7d4e86b71515c52d39ef2a9f8b

Enter file type (directory or file) [directory] :

POST WebRestoreTreeNode?

guid=573503890138333185&webRestoreSessionId=0gdwvw7sk5fgt1u81f0ccwb404&fileId=a4d43e7d4e86b71515c52d39ef2a9f8b&includeOsMetadata=true&type=directory

```
{  
  "metadata": {  
    "timestamp": "2013-03-06T16:28:38.286-06:00",  
    "params": {  
      "guid": "573503890138333185",  
      "fileId": "a4d43e7d4e86b71515c52d39ef2a9f8b",  
      "includeOsMetadata": "true",  
      "type": "directory",  
      "webRestoreSessionId": "0gdwvw7sk5fgt1u81f0ccwb404"  
    }  
  }  
},
```

Below are the files in the /Users/jcarlson/bin directory.
There are no directories here so you do not need to go
further, unless you want to get the version metadata for a
particular file.

```
  "data": [  
    {  
      "filename": "tshark",  
      "path": "/Users/jcarlson/bin/tshark",  
      "id": "3cdf1d82b4a7b4ca9af8219c17f25d79",  
      "lastBackupMs": 1362583285186,  
      "lastBackup": "2013-03-06T09:21:25.186-06:00",  
      "lastModifiedDate": "2010-10-11T12:26:18.000-05:00",  
      "lastModified": 1362583285186,  
      "deleted": false,  
      "hidden": false,  
      "type": "file",  
      "date": "03/06/13 09:21 AM",  
      "osMetadata": {  
        "os": "OSX",  
        "backupDate": "1903-12-31T18:00:00.000-06:00",  
        "accessDate": "2010-10-11T12:26:18.000-05:00",  
        "createDate": "2010-10-11T12:26:18.000-05:00",  
        "contentModDate": "2010-10-11T12:26:18.000-05:00",  
        "sourceChecksum": "e7b5904684f0b807537c7027c65f93fe",  
        "sourceLength": 482  
      }  
    }  
  ],  
  {  
    "filename": "wireshark",  
    "path": "/Users/jcarlson/bin/wireshark",  
    "id": "17505e194f88ad9a3516f7e83f76df9f",
```

```

    "lastBackupMs": 1362583285174,
    "lastBackup": "2013-03-06T09:21:25.174-06:00",
    "lastModifiedDate": "2010-10-11T12:26:18.000-05:00",
    "lastModified": 1362583285174,
    "deleted": false,
    "hidden": false,
    "type": "file",
    "date": "03/06/13 09:21 AM",
    "osMetadata": {
      "os": "OSX",
      "backupDate": "1903-12-31T18:00:00.000-06:00",
      "accessDate": "2010-10-11T12:26:18.000-05:00",
      "createDate": "2010-10-11T12:26:18.000-05:00",
      "contentModDate": "2010-10-11T12:26:18.000-05:00",
      "sourceChecksum": "e7b5904684f0b807537c7027c65f93fe",
      "sourceLength": 482
    }
  }
]
}

```

==== WebRestoreTreeNode (find file) ====

Enter fileId from request above: 17505e194f88ad9a3516f7e83f76df9f

Enter file type (directory or file) [directory] : file

POST WebRestoreTreeNode?

guid=573503890138333185&webRestoreSessionId=0gdvw7sk5fgt1u81f0ccwb404&fileId=17505e194f88ad9a3516f7e83f76df9f&includeOsMetadata=true&type=file

```

{
  "metadata": {
    "timestamp": "2013-03-06T16:28:51.401-06:00",
    "params": {
      "guid": "573503890138333185",
      "fileId": "17505e194f88ad9a3516f7e83f76df9f",
      "includeOsMetadata": "true",
      "type": "file",
      "webRestoreSessionId": "0gdvw7sk5fgt1u81f0ccwb404"
    }
  },
  "data": [ {
    "filename": "wireshark",
    "path": "/Users/jcarlson/bin/wireshark",
    "id": "17505e194f88ad9a3516f7e83f76df9f",
    "lastBackupMs": 1362583285174,
    "lastBackup": "2013-03-06T09:21:25.174-06:00",
    "lastModifiedDate": "2010-10-11T12:26:18.000-05:00",
    "lastModified": 1362583285174,
    "deleted": false,

```

```
"hidden": false,  
"type": "version",  
"date": "03/06/13 09:21 AM",  
"osMetadata": {  
  "os": "OSX",  
  "backupDate": "1903-12-31T18:00:00.000-06:00",  
  "accessDate": "2010-10-11T12:26:18.000-05:00",  
  "createDate": "2010-10-11T12:26:18.000-05:00",  
  "contentModDate": "2010-10-11T12:26:18.000-05:00",  
  "sourceChecksum": "e7b5904684f0b807537c7027c65f93fe",  
  "sourceLength": 482  
}  
}]  
}
```

==== WebRestoreTreeNode (find file) ====

Enter fileId from request above:

[Press Ctrl-C to exit when done navigating](#)