



## Ezmeral Unified Analytics UI failed to browse the folder in data sources

### Table of contents

Issue

Environment

Cause

Resolution

### Issue

Data loaded in Partition folder is not visible /accessible through EZUA UI. When try to load the data in partitioned folder (by default spark image will create a child folder in the give destination path like "partition\_column\_name=value) and load the data into EZUA , those data files are not available in EZUA UI. Also observed error message displayed in the UI "The server could not serve the request due to invalid syntax".



### Environment

Ezmeral Unified Analytics 1.5.0

### Cause

The EZUA UI Data Sources folder was not accessible and an error '**The Server could not serve the request due to invalid syntax**' was being displayed. To troubleshoot further, HPE support verified the logs of the "**fs**" pod under the one of the user namespace.

Upon checking the "**fs**" pod logs under user namespace, we noticed 400 bad request. After reviewing the pod logs, the following error was identified:

```
> URI validation failed because invalid characters
[   StartResponse:00343] > linenum: 1325, Response: 400 Bad Request
process 122 ends
subprocess 123 started...
[   ProcessRequest:01215] >
[   ProcessRequest:01226] > GET /v1/user-c2f0266f/Data_Engineering/output/partition_ins_mnth=2
```

This indicates an issue with **webhdfs** container in **fs** pod doesn't accept "=" in the path.

### Resolution

After investigating the issue, the root cause was **webhdfs** container is not accepting "=" character in the folder name path.

#### Steps Taken to Diagnose and Resolve the Issue:

**Diagnosis of folder browse Issue:** We initially ran the following commands to check for issue. These commands helped us identify any errors that were causing problems:

Checking fs pod logs in user namespace:

```
# kubectl -n user1-hpe get po
NAME READY STATUS RESTARTS AGE
fs-68bf695cd8-qbl9h 2/2 Running 0 6d3h

# kubectl -n user1-hpe logs -f fs-68bf695cd8-qbl9h
```

Fix is needed for two types of scenarios:

1. New Users.
2. Existing Users.

**New Users:** Change the webhdfs image tag of the ezuser controller manager deployment to "**marketplace.us1.greenlake-hpe.com/ezua/ezua/hpecp-webhdfs:2.4.1**" by running below command.

```
# kubectl -n ezuser-system edit deployment.apps/ezuser-controller-manager
```

**Existing Users:** Change the image tag of the **fs** deployment to "**marketplace.us1.greenlake-hpe.com/ezua/ezua/hpecp-webhdfs:2.4.1**" in each user's namespace by running below command.

```
# kubectl edit deploy fs -n <usernamespace>
```

Following the steps outlined above, the folder browse issue has been resolved. As a result, the folder names contains reserved character is browsable from EZUA UI.

