

DSM2 Quick Start: Technical Setup

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Prerequisites for Running DSM2

Windows Computer

- Administrative privileges

Software Installation

- | | |
|------------------------------------|----------------------------|
| • Models: | DSM2 v8.2.2 |
| • HDF5 viewer (time series): | Vista |
| • Text editor: | Visual Studio Code |
| • DSS Viewer/Editor: | HEC DSSVue |
| • File/folder comparison tool: | WinMerge or a similar tool |
| • DSM2 output contour plots: | DSM2 Animator |
| • Web Browser | Google Chrome |
| • HDF5 Viewer (DSM2 input/output): | HDF View (optional) |

Basic Skills

- Use file manager (Windows Explorer) to manage files and folders
- Entering commands at the command line
- Editing text files

Software Download Links

DSM2 v8.2.2*: <https://data.cnra.ca.gov/dataset/dsm2>

DSM2 Animator*: <https://data.cnra.ca.gov/dataset/dsm2-animator>

Google Chrome: <https://www.google.com/chrome/>

Visual Studio Code: <https://code.visualstudio.com/download>

HEC DSSVue 2.0.1 (under “archived versions”):
<https://www.hec.usace.army.mil/software/hec-dssvue/downloads.aspx>

Win Merge: <https://winmerge.org/downloads/?lang=en>

(Optional) HDF View**: <https://www.hdfgroup.org/downloads/hdfview/>

(Optional) DSM2 model grid (v8.2.1, historical version):
<https://data.cnra.ca.gov/dataset/dsm2/resource/1290b2f8-1414-439f-98a7-fc40dee5fe56>

* Suggested installation location: **d:\delta** or **c:\delta**

** One of the tools for viewing DSM2 tidefiles

HEC DSSVue v2.0.1 download page

The screenshot shows the HEC DSSVue download page. The browser address bar displays `hec.usace.army.mil/software/hec-dssvue/downloads.aspx`. The page header includes navigation links: About, Newsletters, Software, Publications, Training, Visitors, Links, and Contact. Below the header, the page title is "US Army Corps of Engineers Hydrologic Engineering Center". The breadcrumb trail is "SOFTWARE > HEC-DSSVUE > DOWNLOADS". The main content area is titled "Windows:" and lists the following download options:

- Release Version:**
 - [Download HEC-DSSVue 3.3.29 Portable Version for Windows\(143 MB\)\[Release Notes\]](#)
 - [Download HEC-DSSVue 3.3.29 for Windows \(129 MB\)](#)
- Beta Version:**
 - [Download HEC-DSSVue BETA 3.3.31 Portable Version for Windows\(140 MB\)\[Release Notes\]](#)
- Archived Versions:**
 - [Download HEC-DSSVue 3.2.3 Portable Version\(139 MB\)](#)
 - [Download HEC-DSSVue 2.0.1 for Windows \(66.5 MB\) \[Release Notes\]](#)
 - [Download HEC-DSSVue 2.0.1 Portable Version \(61.7MB\) \[Release Notes\]](#)

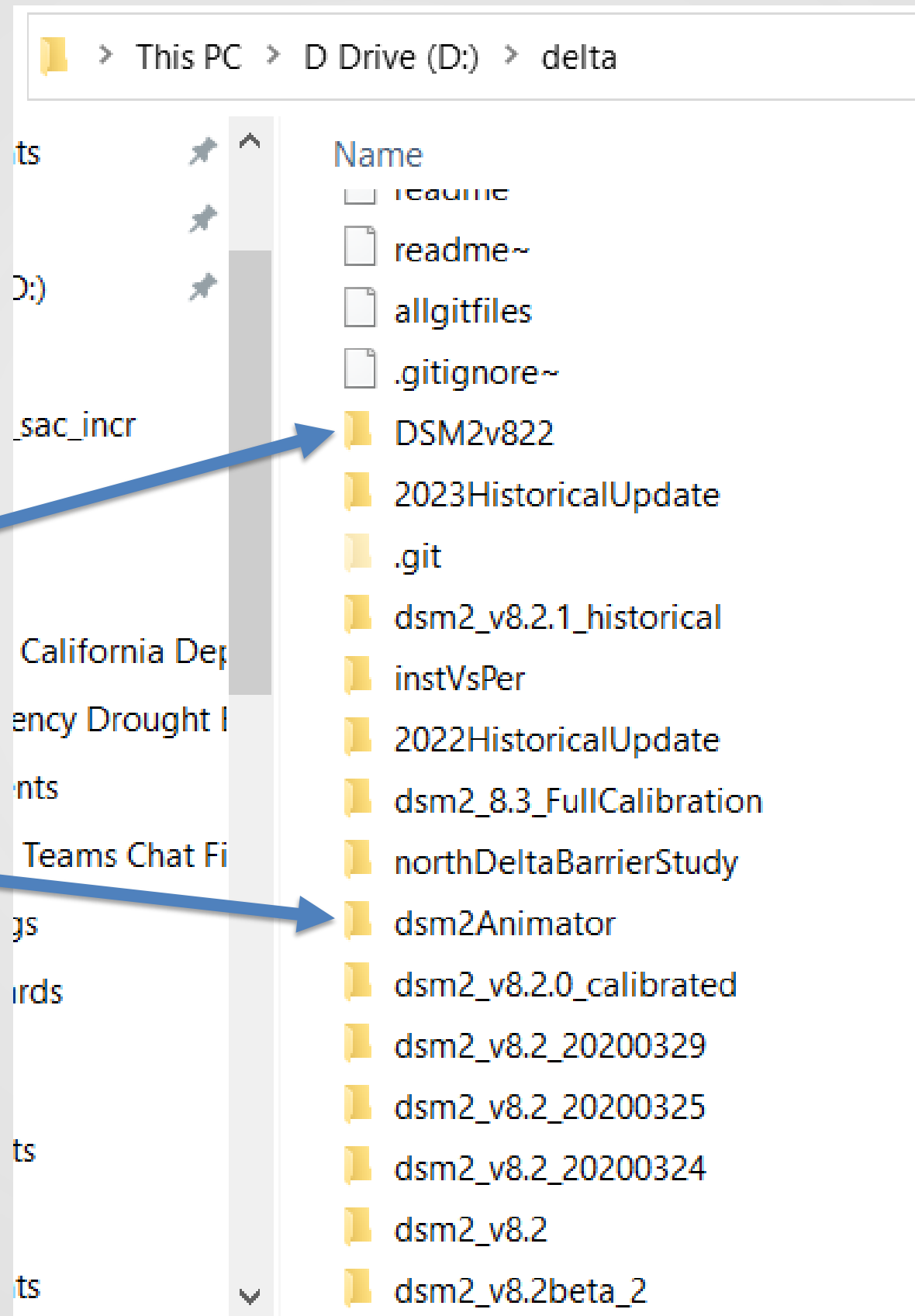
A red arrow points to the link "Download HEC-DSSVue 2.0.1 for Windows (66.5 MB) [Release Notes]", which is highlighted with a red box.

Expand
"Archived
Versions"

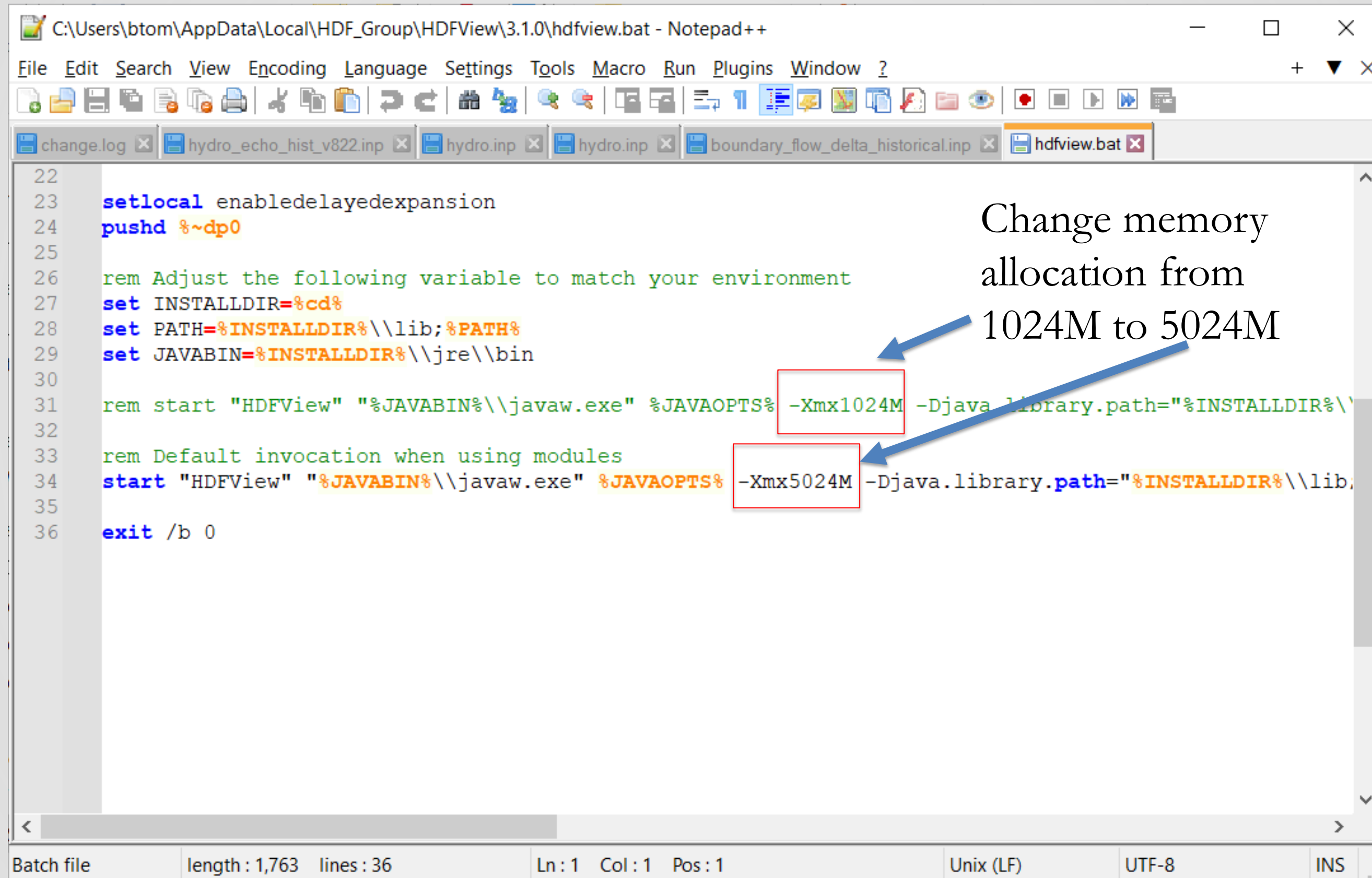
DSM2 Models and Animator in d:\delta\ folder

DSM2 v8.2.2

DSM2 Animator



Editing the hdfview.bat file



```
22
23 setlocal enabledelayedexpansion
24 pushd %~dp0
25
26 rem Adjust the following variable to match your environment
27 set INSTALLDIR=%cd%
28 set PATH=%INSTALLDIR%\lib;%PATH%
29 set JAVABIN=%INSTALLDIR%\jre\bin
30
31 rem start "HDFView" "%JAVABIN%\javaw.exe" %JAVA_OPTS% -Xmx1024M -Djava.library.path="%INSTALLDIR%\lib\hdfview.jar"
32
33 rem Default invocation when using modules
34 start "HDFView" "%JAVABIN%\javaw.exe" %JAVA_OPTS% -Xmx5024M -Djava.library.path="%INSTALLDIR%\lib\hdfview.jar"
35
36 exit /b 0
```

Change memory allocation from 1024M to 5024M

Batch file length : 1,763 lines : 36 Ln : 1 Col : 1 Pos : 1 Unix (LF) UTF-8 INS

Questions?

Please enter questions into the chat



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