



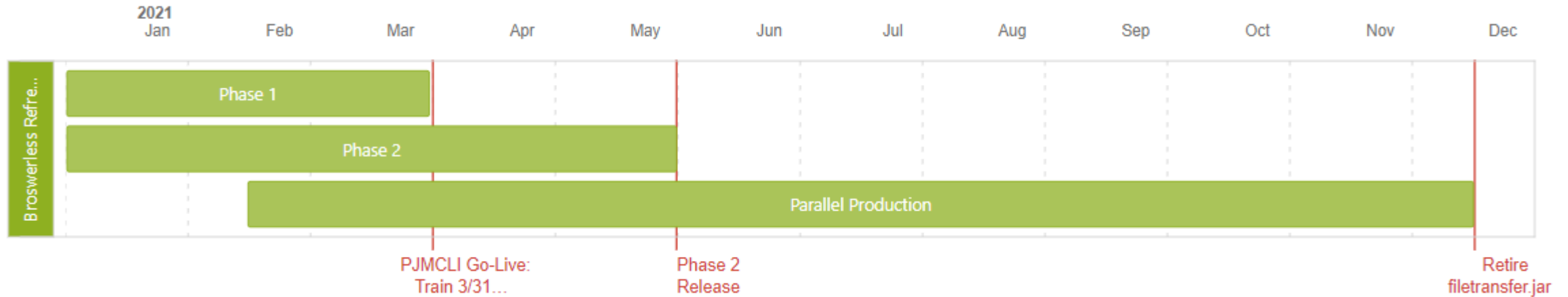
eDART XML Forum

March 15, 2021

- eDART Browserless Refresh Update
- Question and Answer Resolution



eDART Browserless Refresh Update



- The Phase 1 transition to PJM CLI Integration releases:
 - Training: March 31
 - Production: April 14
- Phase 2 consists of minor enhancements and fixes
- An updated User Guide and training will be provided for each phase
 - To be posted on [eDART tool](#) and [eDART XML Documents](#) pages as appropriate.
- The filetransfer.jar and legacy URLs will be retired in December 2021

- Reasons for Refresh:
 - Incorporate Single Sign-On functionality
 - Follow PJM enhanced model for Tools
 - Improve PJM-Member communication
- Scope:
 - Refresh of User Interface (UI)
 - Migration of Browserless Interface to PJM Command Line Interface

- Expectations:
 - Extended testing/training in Training environment
 - Multi-year project
 - Minimal changes to current system during refresh
 - Tool rename: eDART to Dart

- Technical refresh to increase supportability of existing system
- Phased approach
 - Phase 1: Transition to PJMCLI
 - Phase 2: Minor enhancements and fixes
- No major functionality changes
 - Goal: Maintain existing functionality



eDART Browserless Refresh – Phase 1

- Current eDART Architecture
 - Two major endpoints
 - One upload:
 - `j2ee/servlet/com.pjm.xml.upload.edart.EDartXMLUpload`
 - One download:
 - `j2ee/servlet/com.pjm.xml.download.edart.EdartXMLDownload`
 - Determined by 'action' parameter
 - Hydro upload: `upload/com.pjm.xml.upload.edart.EDartHydroUpload`
 - Use of 'type' parameter to determine download to perform
 - Use of root element of XML to determine upload

- Phase 1 – Transition to PJMCLI
 - Two major endpoints
 - One upload:
 - `upload/com.pjm.xml.upload.edart.EDartXmlUpload`
 - One download:
 - `download/com.pjm.xml.download.edart.EDartXmlDownload`
 - Determined by 'action' parameter
 - Hydro upload: `upload/com.pjm.xml.upload.edart.EDartHydroUpload`
 - Use of 'downloadtype' parameter to determine download to perform
 - Use of root element of XML to determine upload

- PJM CLI is available at <https://pjm.com/-/media/etools/pjm-command-line-interface-java-8.ashx>
- Updates:
 - dart-download.cmd example added
 - dart-upload.cmd example added
 - setenv.cmd updated to include Dart production and sandbox URLs

Download with no parameters - TRANSMISSION ZONES

filetransfer method

```
java -jar filetransfer.jar app=edart action=download  
type=zones username=%USER% password=%PSWD% result="zones.xml"
```

PJM-CLI method

```
PRD: java -jar pjm-cli.jar -d ./download/ -a  
download/com.pjm.xml.download.edart.EDartXmlDownload --httpType POST -q dart=true -q  
downloadtype=zones -u %USER% -p %PSWD% -s https://edart.pjm.com/edart -o "zone.xml"
```

```
TRN: java -jar pjm-cli.jar -d ./download/ -a  
download/com.pjm.xml.download.edart.EDartXmlDownload --httpType POST -q dart=true -q  
downloadtype=zones -u %USER% -p %PSWD% -s https://edarttrain.pjm.com/edart -o  
"zone.xml"
```

Download with parameters - IRC BY DATE

filetransfer method

```
java -jar filetransfer.jar app=edart action=download type=ircbydate username=%USER%  
password=%PSWD% start=07/01/2019 stop=06/01/2020
```

PJM-CLI method

```
java -jar pjm-cli.jar -d ./download/ -a  
download/com.pjm.xml.download.edart.EDartXmlDownload --httpType POST -q dart=true -q  
downloadtype=ircbydate -u %USER% -p %PSWD% -s %SERVICEURL% -q start=07/01/2019 -q  
stop=06/01/2020
```

-s %SERVICEURL%

- eDART Production: <https://edart.pjm.com/edart>
- eDART Training: <https://edarttrain.pjm.com/edart>

Upload

filetransfer method

```
java -jar filetransfer.jar app=edart action=upload username=%USER% password=%PSWD%  
source={filename.xml} result={filename2.xml}
```

PJM-CLI method

```
java -jar pjm-cli.jar -d ./download/ -a upload --httpType POST -q dart=true -u %USER% -p  
%PSWD% -s %SERVICEURL% -f {filename.xml} -o {filename2.xml}
```

-s %SERVICEURL%

- eDART Production: <https://edart.pjm.com/edart>
- eDART Training: <https://edarttrain.pjm.com/edart>

- During Parallel Production, users will have options to use eDART or Dart for uploads and downloads via the UI.
 - eDART is selected by default.

eDART File Upload

eDART Dart

File to upload: Browse...

eDART XML File Download

eDART Dart

Choose Download Type

Save as a File?

eDART Browserless Refresh – Phase 2

Enhancement/Fix	Impact
Ensure XSD and download element availability, order, and data types are consistent	Potential impacts based on individual solutions. All changes will be documented and provided at the time of the release.
Ensure every download has and is validated against an XSD	
Remove all empty/null elements from XML responses	
Ensure all XML responses have consistent formatting	No Impact
Ensure all XML responses are valid	

Chidi Ofoegbu (eDART SME),
chidi.ofoegbu@pjm.com

Beth Schweser (IT Lead),
beth.schweser@pjm.com

eDART Help: edarthelp@pjm.com

Maria Baptiste:
maria.baptiste@pjm.com



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com