PJ46799 – Provide option for PDU to run a low priority

2023 TPF Users Group Conference
April 24-26, Dallas, TX
Systems Control Program

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Problem Statement

Pool directory update (PDU) can be run as low priority. To do this the PDU commands must be prefixed with –LP/. For example:

-LP/ZRPDU CREATE

If you want to always run PDU as low priority, it is easy to make a mistake and forget the –LP/ prefix. If the –LP/ prefix is not used, PDU will run with normal priority. The low priority benefits will be lost and possible impact to transactional traffic will be increased.

Pain Points

Forget to use the –LP/ prefix when you want to use low priority

- PDU is usually run once or twice daily
- Each PDU has multiple required commands
  - ZRPDU CREATE
  - ZDUPD S
  - ZDUPD C
- Running as low priority, you can use more ECBs to complete faster. If run as normal priority transactional work will be impacted
- Ample opportunity exists to forget to include the –LP/ prefix and to lose the benefits of low priority

As-Is User Story

To following commands are used to run PDU as low priority

- ➔ -LP/ZRPDU CREATE
- ➔ -LP/ZRPDU STATUS (optional)
- ➔ -LP/ZRPDU OFLMR (optional)
- ➔ -LP/ZDUPD S
- ➔ -LP/ZDUPD E (optional)
- ➔ -LP/ZDUPD C

To-Be User Story

Set PDU to run as low priority once and all subsequent PDU commands will run as low priority

- ➔ ZRPDU CNTL SET PRIORITY-LOW
- ➔ ZRPDU CREATE
- ➔ ZRPDU STATUS (optional)
- ➔ ZRPDU OFLMR (optional)
- ➔ ZDUPD S
- ➔ ZDUPD E (optional)
- ➔ ZDUPD C

Technical Details

To enable the use of low priority for PDU, enter the following command:

```
==> ZRPDU CNTL SET PRIORITY-LOW
CSMP0097I 19.40.06 CPU-B SS-BSS  SSU-HPN  IS-01
RPDU0020I 19.40.06 THE DEFAULT PDU PRIORITY IS SET TO LOW .+
```

When PDU is enabled to use low priority, the following commands will run as low priority:

- ➔ ZRPDU
- ➔ ZDUPD

Technical Details

To enable the use of normal priority for PDU, enter the following command:

```
==> ZRPDU CNTL SET PRIORITY-NORMAL
CSMP0097I 19.42.40 CPU-B SS-BSS  SSU-HPN  IS-01
RPDU0020I 19.42.40 THE DEFAULT PDU PRIORITY IS SET TO NORMAL .+
```

Technical Details

To display the current priority setting for PDU, enter the following command:

```
==> ZRPDU CNTL DISPLAY PRIORITY
CSMP0097I 19.44.58 CPU-B SS-BSS  SSU-HPN  IS-01
RPDU0022I 19.44.58 THE DEFAULT PDU PRIORITY IS LOW.+
```

Technical Details

Recoup has similar capabilities

- APAR PJ46563 provided recoup with the ability to set low priority and have subsequent command run as low priority
- To have recoup run as low priority do:

  ==> ZRECP PROFILE PRIORITY-LOW

Value Statement

Run PDU at any time of day with minimal impact to transactional work.

- Automate PDU
- Have PDU run on a time-initiated basis including when transactional workload is high

Conclusion

APAR PJ46799 provides this support. It is available. It was shipped in June 2022.

Thank you

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