

Daylight Savings Time on ProCurve Switches

This information applies to the following ProCurve switches:

- 212M
- 224M
- 1600M
- 2400M
- 2424M
- 4000M
- 8000M
- Series 2500
- Series 2600
- Series 2800
- Switch 2900
- Series 3400cl
- Series 3500yl
- Series 4100gl
- Series 4200vl
- Series 5300xl
- Series 5400zl
- Switch 6108
- Switch 6200yl
- Series 6400cl
- Switch 8212zl
- ProCurve AdvanceStack Switches
- ProCurve AdvanceStack Routers

ProCurve switches provide a way to automatically adjust the system clock for Daylight Savings Time (DST) changes. To use this feature you define the month and date to begin and to end the change from standard time. In addition to the value “none” (no time changes), there are five pre-defined settings, named:

- Alaska
- Canada and Continental US
- Middle Europe and Portugal
- Southern Hemisphere
- Western Europe

The pre-defined settings follow these rules:

Alaska:

- Begin DST at 2am on the second Sunday in March.
- End DST at 2am on the first Sunday in November.

Canada and Continental US:

- Begin DST at 2am on the second Sunday in March.
- End DST at 2am on the first Sunday in November.

Middle Europe and Portugal:

- Begin DST at 2am the first Sunday on or after March 25th.
- End DST at 2am the first Sunday on or after September 24th.

Southern Hemisphere:

- Begin DST at 2am the first Sunday on or after October 25th.
- End DST at 2am the first Sunday on or after March 1st.

Western Europe:

- Begin DST at 2am the first Sunday on or after March 23rd.
- End DST at 2am the first Sunday on or after October 23rd.

A sixth option named “User defined” allows you to customize the DST configuration by entering the beginning month and date plus the ending month and date for the time change. The menu interface screen looks like this (all month/date entries are at their default values):

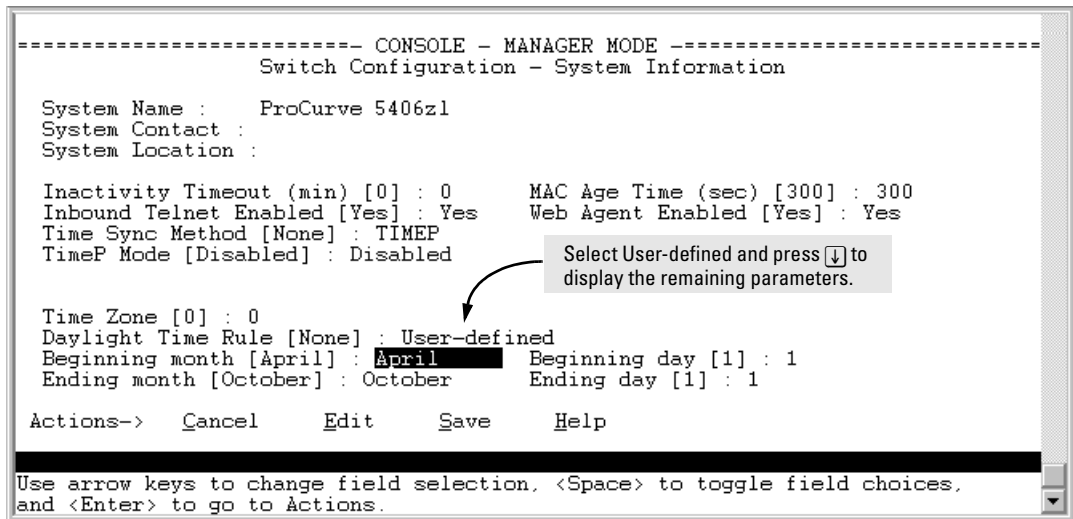


Figure E-1. Menu Interface with “User-Defined” Daylight Time Rule Option

Before configuring a “User defined” Daylight Time Rule, it is important to understand how the switch treats the entries. The switch knows which dates are Sundays, and uses an algorithm to determine on which date to change the system clock, given the configured “Beginning day” and “Ending day”:

- If the configured day is a Sunday, the time changes at 2am on that day.
- If the configured day is not a Sunday, the time changes at 2am on the first Sunday after the configured day.

This is true for both the “Beginning day” and the “Ending day”.

With that algorithm, one should use the value “1” to represent “first Sunday of the month”, and a value equal to “number of days in the month minus 6” to represent “last Sunday of the month”. This allows a single configuration for every year, no matter what date is the appropriate Sunday to change the clock.

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