Cron

Cron Syntax

```
*     *     *   *    *        command to be executed
-     -     -   -    -
|     |     |   |    |
|     |     |   |    +----- day of the week (0 - 6) (Sunday=0)
|     |     |   +------- month (1 - 12)
|     |     +--------- day of the month (1 - 31)
|     +----------- hour (0 - 23)
+------------ min (0 - 59)
```

Each Field Explained

1. **Minute (0 - 59)**
   - The exact minute when the command will run.
2. **Hour (0 - 23)**
   - The hour of the day when the command will run.
3. **Day of Month (1 - 31)**
   - The day of the month when the command will run.
4. **Month (1 - 12)**
   - The month of the year when the command will run.
5. **Day of Week (0 - 6)**
   - The day of the week when the command will run (0 is Sunday, 1 is Monday, etc.).

Special Characters

- **Asterisk (*)**: Represents 'every' unit of time. E.g., an asterisk in the hour field means 'every hour'.
- **Comma (,)**: Separates values to specify that a command should run at any of the specified times. E.g., `1,15` in the day of the month field means the 1st and 15th days.
- **Hyphen (-)**: Defines a range of values. E.g., `1-5` in the day of the week field means Monday to Friday.
- **Slash (/)**: Specifies a step value. E.g., `/2` in the day of the month field means every two days.

Examples

- `0 6,18 * * *`: At minute 0, at 6am and 6pm, every day, every month, every day of the week.
- `/15 * * * *`: Every 15 minutes, every hour, every day, every month, every day of the week.
- `0 0 1 * *`: At midnight, on the first day of every month.
- `0 0 * * 0`: At midnight, every Sunday.

Crafting Your Own Cron Expressions

- **Every day at 3:30am**: `30 3 * * *`
- **Every Monday at 4:45pm**: `45 16 * * 1`
- **Every 15th of the month at 6:00pm**: `0 18 15 * *`
- **Every 30 minutes**: `/30 * * * *`