

Windows 10 IoT Core Command Line Utils

- **Update account password:**

It is highly recommended that you update the default password for the Administrator account. To do this, you can issue the following command: `net user Administrator [new password]` where [new password] represents a strong password of your choice.

- **Create local user accounts:**

If you wish to give others access to your Windows IoT Core device, you can create additional local user accounts using PS by typing in `net user [username] [password] /add`. If you wish to add this user to other groups, such as the Administrator group, use `net localgroup Administrators [username] /add`.

- **Set password:**

To change the password on an account on your device, run `SetPassword [account-username] [new-password] [old-password]` to change the account password.

- **Query and set device name:**

To identify your current device name, simply type `hostname`. To change the name of your Windows IoT Core device, type `SetComputerName [new machinename]`. You may need to restart your device for the name change to take effect.

- **Basic network configuration:**

Many of the basic network configuration utilities you may already be familiar with are available in Windows IoT Core, including commands such as `ping.exe`, `netstat.exe`, `netsh.exe`, `ipconfig.exe`, `nslookup.exe`, `tracert.exe`, and `arp.exe`.

- **Copy utilities:**

Microsoft is providing familiar tools, including `sfpcopy.exe` as well as `xcopy.exe`.

- **Process Management:**

To view currently running processes, you can try either `get-process` or alternatively `tasklist.exe`. To stop a running process, type `taskkill.exe [pid or process name]`.

- **Setting startup app:**

Use the startup editor to configure startup apps on your Windows IoT Core device. Run `IotStartup` with any of the following options:

`IotStartup list` lists installed applications

`IotStartup list headed` lists installed headed applications

`IotStartup list headless` lists installed headless applications

`IotStartup list [MyApp]` list installed applications that match pattern `MyApp`

`IotStartup add` adds headed and headless applications

`IotStartup add headed [MyApp]` adds headed applications that match pattern `MyApp`. Pattern must match only one application.

`IotStartup add headless [Task1]` adds headless applications that match pattern `Task1`

`IotStartup remove` removes headed and headless applications

`IotStartup remove headed [MyApp]` removes headed applications that match pattern `MyApp`

`IotStartup remove headless [Task1]` removes headless applications that match pattern `Task1`

`IotStartup startup` lists headed and headless applications registered for startup

`IotStartup startup [MyApp]` lists headed and headless applications registered for startup that match pattern `MyApp`

`IotStartup startup headed [MyApp]` lists headed applications registered for startup that match `MyApp`

`IotStartup startup headless [Task1]` lists headless applications registered for startup that match `Task1`

For further help, try `IotStartup help`

- **Set Boot Option (Headless vs. headed boot):**

Windows IoT Core devices can be set to headed (when display capabilities are required) or headless (when a display is not required or available) device mode. To change this setting, use `setbootoption.exe [headed | headless]`.

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- **Task scheduler:**

To view the current list of scheduled tasks, use the `schtasks.exe` command. You can create new tasks with the `/create` switch or run on-demand tasks with the `/run` switch. For a full list of supported parameters, use `schtasks.exe /?`

- **Device drivers:**

The device console utility is useful in identifying and managing installed devices and drivers. For a full list of parameters, use `devcon.exe /?`

- **Registry Access:**

If you need to access the registry to view or modify settings, use the `reg.exe /?` Command for the full list of supported parameters.

- **Services:**

Managing Windows services can be accomplished via the `net.exe` command. To see a list of running services, type `net start`. To start or stop a specific service, type `net [start | stop] [service name]`. Alternatively, you can also use the service control manager via `sc.exe` command.

- **Boot configuration:**

You can make changes to the boot configuration of your Windows IoT Core device using `bcdedit.exe`. For instance, you can enable test signing with `bcdedit -set testsigning on` command.

- **Shutdown/restart device:**

To shut down your device, type `shutdown /s /t 0`. To restart the device, use the `/r` switch instead with the command `shutdown /r /t 0`.

- **List Services:**

This utility lists all the NT Services running on your Windows 10 IoT Core device. From a PowerShell session on your device, run `ListServices` to run the utility.

- **Set display resolution:**

To adjust the resolution of a display connected to your Windows 10 IoT Core device, run `SetDisplayResolution [width] [height]`. To query the resolution, exclude the `[width]` and `[height]` parameters.

More information

<https://ms-iot.github.io/content/en-US/win10/tools/CommandLineUtils.htm>