

User's Manual

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C Interface Usage

1. getting the interface package, unzip it and find the corresponding interface installer to install.

```
sudo dpkg -i lpapi_x.x.x_xxx.deb
```

2. Use lpapi interface

If the project is compiled with cmake, please configure the header files and links library in CMakeList.txt via find_package().

```
# Search for LPAPI
Modules
find_package(LPAPI
REQUIRED)
if(LPAPI_FOUND)
    target_include_directories(${TEST_TARGET} PRIVATE ${LPAPI_INCLUDE_DIR})
    target_link_libraries(${TEST_TARGET} ${LPAPI_LIBRARY})
endif()
```

- If do not use cmake, please add header files and find the corresponding header files and dynamic libraries in the installation position, and use them directly. The locations of header files and dynamic libraries are as follows:
 - lpapi.h is located at
 - /usr/local/include/lpapi/lpapi.h libliapi.so
 - is located at /usr/local/lib/lpapi.so
- Please refer to the demo/ctest directory for specific usage;

Python3 Interface Usage

1. Find the lpapi-x.x.x-xxx.whl from the zip file and install the interface package via pip3

```
pip3 install lpapi-xxx.whl
```

2. Introduce the lpapi interface via import in pytho code to start
using `from LPAPI import lpapi`

Please refer to demo/python3/test_lpapi.py for specific usage

JS Interface Usage

1. Install dtpweb Service

All js interfaces are based on the dtpweb service, it's nessary to install the dtpweb service before using it.

The dtpweb service is integrated into the lpapi interface package. Find the interface installer for the specified architecture in the interface package, install interface packages lpapi-xxx.deb;

```
sudo dpkg -i lpapi-xxx.deb
```

Web Interface Usage

Js interface is an asynchronous interface, which is implemented asynchronously by Promise. low versions of browsers, or users who are not who are not used to Promise can use the synchronous interface for print processing.

- Install lpapi Interface;

```
sudo dpkg -i lpapi-xxx.deb
```

- Introduce dtpweb.js file

```
<script type="text/javascript" src="./dtpweb/lib/dtpweb.js"></script>
```

- Obtain the api interface in window.onload;;

```
var api = null;
window.onload = function () {
    dtpweb.DTPWeb.getApi().then(function (_api) {
        if (_api) {
            api = _api;
            updatePrinterList();
        } else {
            alert("No Printer plugin detected");
        }
    });
};
```

```

/**
 * Update Printer List.
 */
async function updatePrinterList() { if
    (api) {
        var printers = await api.getPrinters(true, false);
        // Clear old listing
        printerElements.innerHTML = "";
        // Re-add printer list
        if (printers && printers.length > 0) {
            console.log(printers);
        } else {
            console.log("No Printer detected");
        }
    }
}

```

Remarks: please refer to demo/html/index.html

Web Synchronous Interface Usage

In some lower browsers, or for those who are not used to the Promise asynchronous interface can use the synchronous interface for printing.

- Install the dtpweb plugin

```
sudo dpkg -i lpapi-xxx.deb
```

- Introduce the synchronized dtpweb.js file

```
<script type="text/javascript" src="/dtpweb/lib_sync/dtpweb.js"></script>
```

- Obtain printing interface, and start printing

```

var api = null;
window.onload = function () {dtpweb.DTPWeb.getApi(function (_api)
    {
        if (_api) {
            api = _api;
            updatePrinterList();
        } else {
            alert("No Printer Plugin Detected! ");
        }
    }
});
}

```

```

/**
 * Update Printer List.
 */
function updatePrinterList() { if (api) {
    var printers = api.getPrinters(true, false);

```

```

        if (printers instanceof Array && printers.length > 0) {
            console.log(printers);
        } else {
            console.log("No Printer Detected")
        }
    }
}

```

Remarks: Please refer to: [demo/html/index.html](#)

VUE Interface Usage

1. Install dtpweb Service;

```
sudo dpkg -i lpapi-xxx.deb
```

2. Introduce dtpweb.js Interface

- Method 1: Introduce via npm/yarn;

```
npm install dtpweb
```

or:

```
yarn add dtpweb
```

- Method 2:

Copy dtpweb/lib/dtpweb.js to the appropriate location in the project directly.

3. Introduce dtpweb via import

```

<script>
import { DTPWeb } from "dtpweb";

mounted() {
    this.api.checkPlugin().then((value) => {if (value) {
        this.updatePrinterList();
    } else {
        this.api = undefined; this.printers[0].name = "No
        Printer Plugin Detected";
    }
    });
},
</script>

```

Remarks: Please refer to: [demo/vuetest/App.vue](#)

NodeJS Interface Usage

Please refer to [VUE Interface Usage](#)

Typescript Interface Usage

1. Install dtpweb Service;

```
sudo dpkg -i lpapi-xxx.deb
```

2. Just copy all the source code from the dtpweb/src directory into the project
3. Please refer to [VUE Interface Usage](#)