

# Guide to Transfer and Restore API Functions - Plan the Transfer Session

## Transfer and Restore API Functions

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## Introduction

The planning process sets up the transfer session.

- For `root` sessions, retrieve the transfer modules and schema.
- For user transfer sessions, use the `AccountRemoteUser` user-based transfer session.



### Note:

In this example, the following statements are true:

- `remote.example.com` and `local.example.com` represent the remote server and the local server.
- You logged in to the local server with the `cpsess#####` security token.
- The `example` account owns `example.com`, and you want to transfer it from the remote server to the local server.
- The `example.com` domain contains 123,456,789 bytes.
- You want to transfer the `package1` package from the remote server to the local server.
- `luggage12345` represents the `root` password for the remote server.

## Retrieve the transfer modules

To retrieve a list of the transfer modules available on your server, run the WHM API 1 [available\\_transfer\\_modules](#) function.

```
https://hostname.example.com:2087/cpsess#####/json-api/available_transfer_modules?api.version=1
```

This example will return the following list of transfer modules:

```
{
  "data": {
    "modules": {
      "LegacyAccountBackup": "6000",
      "FeatureListRemoteRoot": "1000",
      "PackageRemoteRoot": "2000",
      "AccountLocal": "5000",
      "AccountRemoteRoot": "3000",
      "AccountRemoteUser": "4000"
    }
  },
  "metadata": {
    "version": 1,
    "reason": "OK",
    "result": "1",
    "command": "available_transfer_modules"
  }
}
```

You can preserve features and modules between transfers. Use the following features to transfer features, module lists, and accounts:

- `FeatureListRemoteRoot` — Transfers the feature lists.
- `PackageRemoteRoot` — Transfers packages.
- `AccountRemoteRoot` — Transfers the accounts.

## Transfer and Restore

### About Transfer and Restore APIs

- *The Standardized Hooks system triggers scripts or applications whenever a specific action is performed in cPanel & WHM.*
- *This functionality is useful for developers and system administrators.*

### Compatible with:

- cPanel & WHM 11.44+

### APIs:

- [WHM API 1](#)

## Related Documentation

The schema of each transfer module formats the data for transfer.

## Retrieve the schema

The WHM API 1 [transfer\\_module\\_schema](#) function retrieves the following schemas:

To retrieve the schema for the `FeatureListRemoteRoot` module, run the following browser-based function:

```
https://hostname.example.com:2087/cpsess#####/json-api/transfer_module_schema?api.version=1&module=FeatureListsRemoteRoot
```

To retrieve the schema for the `PackageRemoteRoot` module, run the following browser-based function:

```
https://hostname.example.com:2087/cpsess#####/json-api/transfer_module_schema?api.version=1&module=PackageRemoteRoot
```

To retrieve the schema for the `AccountRemoteRoot` module, run the following browser-based function:

```
https://hostname.example.com:2087/cpsess#####/json-api/transfer_module_schema?api.version=1&module=AccountRemoteRoot
```

The schema will resemble the following example:

```
{
  "data": {
    "schema": {
      "keys": {
        "detected_remote_user": {
          "def": "char(255) DEFAULT NULL"
        },
        "ip": {
          "def": "int(1) DEFAULT 0"
        },
        "skipbwdata": {
          "def": "int(1) DEFAULT 0"
        },
        "customip": {
          "def": "char(255) DEFAULT NULL"
        },
        "size": {
          "def": "BIGINT UNSIGNED DEFAULT 1"
        },
        "shared_mysql_server": {
          "def": "int(1) DEFAULT 0"
        },
        "domain": {
          "def": "char(255) DEFAULT NULL"
        },
        "cpmovefile": {
          "def": "text"
        },
        "skiphomedir": {
          "def": "int(1) DEFAULT 0"
        },
        "user": {
          "def": "char(255) DEFAULT NULL"
        },
        "skipacctdb": {
          "def": "int(1) DEFAULT 0"
        },
        "skipres": {
```

- [WHM API 1 Functions - abort\\_transfer\\_session](#) — This function aborts an active transfer session.
- [WHM API 1 Functions - analyze\\_transfer\\_session\\_remote](#) — This function checks the remote server's credentials, which a transfer session uses to connect.
- [WHM API 1 Functions - remote\\_basic\\_credential\\_check](#) — This function checks the SSH credentials on the remote server.
- [WHM API 1 Functions - restore\\_modules\\_summary](#) — This function lists backup modules and their descriptions.
- [WHM API 1 Functions - delete\\_account\\_archives](#) — This function removes a cPanel user account's archives.

```
        "def": "int(1) DEFAULT 0"
    },
    "reseller": {
        "def": "int(1) DEFAULT 0"
    },
    "skipaccount": {
        "def": "int(1) DEFAULT 0"
    },
    "coppypoint": {
        "def": "text"
    },
    "force": {
        "def": "int(1) DEFAULT 0"
    },
    "xferpoint": {
        "def": "int(1) DEFAULT 0"
    },
    "replaceip": {
        "def": "char(255) DEFAULT NULL"
    },
    "localuser": {
        "def": "char(255) DEFAULT NULL"
    }
},
"required": [
    "user",
    "localuser"
],
"primary": [
    "user"
]
}
},
"metadata": {
    "version": 1,
    "reason": "OK",
    "result": "1",
    "command": "transfer_module_schema"
}
}
```