# Web Commander Pro RESTful API Documentation

## Hierarchy

### Base URL

/api/hierarchy

### Endpoints

#### [GET] /api/hierarchy

##### Common Fields

|  |  |  |
| --- | --- | --- |
| HTTP Method | URL | Description |
| GET | /api/hierarchy | 取得所有資料夾結構(階層式) |

##### Route Parameters

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| 無 |  |  |

##### Query Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Body Payload

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Example

|  |  |
| --- | --- |
| **Method** | GET |
| **URL** | http://{HOST}:{PORT}/web-commander-pro/api/hierarchy |
| **Headers** | 無 |
| **Body** | 無 |
| **Response** | * Status: 200 * Data: {       "id": "5B080E09-865C-EB11-80C3-02007FF50001",      "name": "root",      "children": [          {              "id": "CA0C3BFD-9B2B-46CD-8256-3769C0ADE0E5",              "name": "C",              "children": [                  {                      "id": "7C5DC514-28FB-4580-B3CC-1AF2139989C4",                      "name": "My Folder",                      "children": []                  }              ]          },          {              "id": "B1F33708-C88A-4337-8FFE-09993A2ADCDB",              "name": "D",              "children": [                  {                      "id": "7EF958EB-67DD-4E25-8001-CF118811AD8E",                      "name": "mario",                      "children": []                  },                  {                      "id": "10281AE0-0017-412C-894E-E3DA6C7EBACF",                      "name": "oriam",                      "children": []                  }              ]          }      ]  } |

## Items

### Base URL

/api/items

### Endpoints

#### [GET] /api/items/root

##### Common Fields

|  |  |  |
| --- | --- | --- |
| HTTP Method | URL | Description |
| GET | /api/items/root | 取得根目錄的屬性及子項目 |

##### Route Parameters

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| 無 |  |  |

##### Query Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Body Payload

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Example

|  |  |
| --- | --- |
| **Method** | GET |
| **URL** | http://{HOST}:{PORT}/web-commander-pro/api/items/root |
| **Headers** | 無 |
| **Body** | 無 |
| **Response** | * Status: 200 * Data: {       "id": "5B080E09-865C-EB11-80C3-02007FF50001",      "type": 1,      "name": "root",      "size": 3255304191,      "children": [          {              "id": "CA0C3BFD-9B2B-46CD-8256-3769C0ADE0E5",              "type": 1,              "name": "C",              "size": 351273604,              "children": []          },          {              "id": "B1F33708-C88A-4337-8FFE-09993A2ADCDB",              "type": 1,              "name": "D",              "size": 3255304191,              "children": []          }      ]  } |

#### [GET] /api/items/{id}

##### Common Fields

|  |  |  |
| --- | --- | --- |
| HTTP Method | URL | Description |
| GET | /api/items/{id} | 取得id為{id}的項目屬性及子項目 |

##### Route Parameters

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| id | String (guid) | 項目id |

##### Query Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Body Payload

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Example

|  |  |
| --- | --- |
| **Method** | GET |
| **URL** | http://{HOST}:{PORT}/web-commander-pro/api/items/CA0C3BFD-9B2B-46CD-8256-3769C0ADE0E5 |
| **Headers** | 無 |
| **Body** | 無 |
| **Response** | * Status: 200 * Data: {       "id": "CA0C3BFD-9B2B-46CD-8256-3769C0ADE0E5",      "type": 1,      "name": "C",      "size": 351273604,      "children": [          {              "id": "7C5DC514-28FB-4580-B3CC-1AF2139989C4",              "type": 1,              "name": "My Folder",              "size": 351273563,              "children": []          },          {              "id": "4C1CA3CB-BFB8-4BCE-992F-1E21EB37FFDD",              "type": 5,              "name": "reg.dll",              "size": 25,              "children": []          },          {              "id": "048D64EA-2FE2-4937-B8DF-7D41298C653E",              "type": 2,              "name": "tmp.txt",              "size": 16,              "children": []          }      ]  } |

#### [POST] /api/items

##### Common Fields

|  |  |  |
| --- | --- | --- |
| HTTP Method | URL | Description |
| POST | /api/items | 新增項目 |

##### Route Parameters

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| 無 |  |  |

##### Query Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Body Payload

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| parentItemId | string (guid) | ✔️ | null | 父項目id |
| items | Item[] |  | [] | * Item定義   1. name: string   2. size: number |
| folders | Folder[] |  | [] | * Folder定義   1. name: string |

##### Example

|  |  |
| --- | --- |
| **Method** | POST |
| **URL** | http://{HOST}:{PORT}/web-commander-pro/api/items |
| **Header** | 無 |
| **Body** | {      "parentItemId": "CA0C3BFD-9B2B-46CD-8256-3769C0ADE0E5",      "items": [          {              "name": "abc.txt",              "size": 123          },          {              "name": "music.mp3",              "size": 3145728          }      ],      "folders": [          {              "name": "myfolder",          }      ]  } |
| **Response** | * Status: 200 * Data: [       {          "id": "3EE2447F-685C-48F4-8635-B60DA371E889",          "type": 2,          "name": "abc.txt",          "size": 124,          "children": []      },      {          "id": "076BA086-0E46-460C-AF43-EC5D9820B721",          "type": 3,          "name": "music.mp3",          "size": 3145728,          "children": []      },      {          "id": "3AC26668-C05D-4526-A444-68BB6B9D46D1",          "type": 1,          "name": "myfolder",          "size": 0,          "children": []      }  ] |

#### [DELETE] /api/items

##### Common Fields

|  |  |  |
| --- | --- | --- |
| HTTP Method | URL | Description |
| DELETE | /api/items | 刪除項目 |

##### Route Parameters

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| 無 |  |  |

##### Query Parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| id | string (guid) | ✔️ | null | 項目id  (可一次傳遞多個值，例如：  ?id=A&id=B&id=C) |

##### Body Payload

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Type | Required | Default value | Description |
| 無 |  |  |  |  |

##### Example

|  |  |
| --- | --- |
| **Method** | DELETE |
| **URL** | http://{HOST}:{PORT}/web-commander-pro/api/items?id=3EE2447F-685C-48F4-8635-B60DA371E889&id=076BA086-0E46-460C-AF43-EC5D9820B721 |
| **Header** | 無 |
| **Body** | 無 |
| **Response** | 20 |
| **Response** | * Status: 200 * Data: 無 |