

Public Endpoints

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Public Endpoints

This is the UTOPIA Public API, outlined on this page are the end points and example JSON to activate each one.

Authentication

```
https://api.utopiafiber.com
```

Some endpoints require authentication to access. This documentation will include the endpoints accessible with authentication if authentication is provided.

No API Key Received

Required Parameters:

apikey or ispaperkey: (string) A valid API key

Example JSON Request:

```
{
  "apikey": "YOUR_API_KEY",
  [... additional request inputs ...]
}
```

Unauthorized - Status Code 401

```
{
  "error": "Authentication Failed"
}
```

Address Search

```
https://api.utopiafiber.com/address/search
```

This end point expects an address, it will then validate the address and return the Address ID for the address.

Example JSON Request:

```
{
  "search": {
    "address": "528 w 800 s",
    "postcode": "84058",
    "unitnum": ""
  }
}
```

Success return - single record

```
{
  "single": [
    {
      "address_id": "7529",
      "address": "528 WEST 800 SOUTH",
      "unitnum": "",
      "city": "OREM",
      "state": "UTAH",
      "postcode": "84058",
      "land_use": "RESIDENTIAL",
      "history_of_service": "1",
      "current_service": "1",
      "status": "ORDERABLE",
      "contract_type": "none",
      "pending_request": "1"
    }
  ]
}
```

Success return - multi record

```
{
  "multi": [
    {
      "address_id": "65450",
      "address": "673 WEST 1200 SOUTH STREET",
      "unitnum": "4",
      "city": "OREM",
      "state": "UT",
      "postcode": "84058",
      "land_use": "RESIDENTIAL",
      "history_of_service": 1,
      "current_service": 0,
      "status": "ORDERABLE",
      "contract_type": "None",
      "pending_request": 0
    },
    {
      "address_id": "65449",
      "address": "673 WEST 1200 SOUTH STREET",
      "unitnum": "3",
      "city": "OREM",
      "state": "UT",
      "postcode": "84058",
      "land_use": "RESIDENTIAL",
      "history_of_service": 1,
      "current_service": 0,
      "status": "ORDERABLE",
      "contract_type": "None",
      "pending_request": 0
    },
    {
      "address_id": "67707",
      "address": "673 WEST 1200 SOUTH STREET",
      "unitnum": "7",
      "city": "OREM",
      "state": "UT",
      "postcode": "84058",
      "land_use": "RESIDENTIAL",
      "history_of_service": 1,
      "current_service": 0,
      "status": "ORDERABLE",
      "contract_type": "None",
      "pending_request": 0
    }
  ]
}
```

```
}
```

Error returns:

```
{  
  "none": "No records found"  
}
```

```
{  
  "none": "Address field cannot be empty"  
}
```

```
{  
  "none": "Postcode field cannot be empty"  
}
```

```
{  
  "none": "Incomplete address"  
}
```

Address ID Check

```
https://api.utopiafiber.com/address/chkadid/{siteid}
```

This end point expects a numeric siteid passed as the last segment in the URI, it will then validate the ID.

Success return example.

```
{  
  "address_id": "7529",  
  "address": "528 WEST 800 SOUTH STREET",  
  "unitnum": "",  
  "city": "OREM",  
  "state": "UT",  
  "postcode": "84058"  
}
```

Error returns:

```
{  
  "error": "ADID not found."  
}
```

Provider List

```
https://api.utopiafiber.com/services/providers
```

This end point provides a list of current Residential providers

Error returns:

```
There are no error returns for this end point
```

Service List

```
https://api.utopiafiber.com/services
```

This end point provides a list of current Residential services by Provider. This will provide the item ID needed to create an order.

Error returns:

```
There are no error returns for this end point
```

Product List

```
https://api.utopiafiber.com/services/products
```

This end point provides a list of current Residential products. This will provide the item ID needed to create an order. However only the provider ID is included in the end point.

Error returns:

```
There are no error returns for this end point
```

Infrastructure Contract Check

```
https://api.utopiafiber.com/services/infrastructure
```

This end point returns the list of UTOPIA contracts available for the address ID, ID here must be provided when creating an order, expect when the address doesn't need a contract.

Example JSON Request

```
{
  "adid": 7529
}
```

Success return example.

```
{
  "infrastructure": {
    "2": {
      "iid": "2",
      "name": "Month-to-Month Lease Agreement",
      "desc": "This option allows you to lease our fiber on a month-to-month basis for $30\month for a",
      "mrc": "30",
      "nrc": "0",
      "multisign": "0",
      "billdelivery": [
        {
          "id": "1",
          "desc": "Email me my UTOPIA Fiber bill electronically",
          "cost": "0"
        },
        {
          "id": "2",
          "desc": "Mail my UTOPIA Fiber bill to my service address ($1.50 per month)",
          "cost": "1.5"
        },
        {
          "id": "3",
          "desc": "Mail my UTOPIA Fiber bill to my billing address ($1.50 per month)",
          "cost": "1.5"
        }
      ]
    }
  }
}
```

```
{
  "satisfied": "No contract required for this adid."
}
```

Error returns:

```
{
  "error": "Invalid adid."
}
```

[Create Order](#)



<https://api.utopiafiber.com/orders/create>

This end point will create a new order in the UTOPIA order system. Only residential orders can be processed. To test your API setup please use the test attribute in your JSON it should look like this "test": "true", otherwise you can omit this attribute. This will create a test order that will not be fully processed in our system, a Hello sign contract will still be sent out, but it will not be valid. If

no contract is in place, the contract ID set the infrastructure to 0. If no phone service is provided than phoneport section of the JSON can also be omitted. You can place any text value in ordersource to help identify your orgination as the order source.

Example JSON Request

```
{
  "order": {
    "firstname": "Bob",
    "lastname": "Builder",
    "phone": "801-555-3158",
    "email": "dtuft@utopiafiber.com",
    "adid": "7529",
    "billdelivery": "1",
    "products": [
      {
        "itemid": "2-10",
        "qty": "1"
      },
      {
        "itemid": "2-4",
        "qty": "1"
      },
      {
        "itemid": "2-29",
        "qty": "1"
      },
      {
        "itemid": "2-87",
        "qty": "3"
      }
    ],
    "infrastructure": "3",
    "billingaddress": {
      "name": "Bob Builder",
      "phone": "801-555-1212",
      "address": "1118 heat street",
      "unitnum": "",
      "city": "Mesa",
      "postalcode": "81111",
      "state": "AZ"
    },
    "phoneport": [
      {
        "name": "Bob Builder",
        "number": "801-555-3158",
        "provider": "Comcast",
        "address": "711 south 1420 west, Orem, UT 84058"
      },
      {
        "name": "Bob Builder",
        "number": "801-555-9603",
        "provider": "Comcast",
        "address": "711 south 1420 west, Orem, UT 84058"
      }
    ],
    "signers": [
      {
        "name": "Bob Builder",
        "email": "dustintuft@gmail.com",
        "phone": "801-555-3158"
      },
      {
        "name": "Bob1 Builder1",
        "email": "dtuft@utopiafiber.com",
        "phone": "801-555-3158"
      }
    ],
    "promo": "random code",
    "ordersource": "APIuser",
  }
}
```

```
"test": "true"
}
}
```

Success return example.

```
{
  "done": "Order saved, reference UIA201900-000000",
  "reference": "UIA201900-000000"
}
```

Error returns: there are many possible errors that are returned, these are just a couple examples, in some cases multi error text will be returned, but will not be separated out.

```
{
  "error": "At least one product quantity must be greater than 0. "
}
```

```
{
  "error": "No infrastructure found. "
}
```

```
{
  "error": "ADID not found."
}
```

Order Status

```
https://api.utopiafiber.com/orders/status/UIA201805-000020
```

This end point expects a Reference ID passed through the URI, it will then look up the reference number and return the current status.

Success return example.

```
{
  "status": "Canceled"
}
```

Error returns:

```
{
  "error": "Reference ID not found."
}
```