



وزارة الاتصالات
وتقنية المعلومات
MINISTRY OF COMMUNICATIONS
AND INFORMATION TECHNOLOGY



Open Api RESTful API Documentation

Table of Contents

03 1. Overview

- 03 1.1. Version information
- 03 1.2. Contact information
- 03 1.3. License information
- 03 1.4. URI scheme
- 03 1.5. Tags

04 2. Authorization

- 04 2.1. API KEY Generation process

05 3. Resources

- 05 3.1. Open-api-controller
 - 05 3.1.1. Fiber to the Home Coverage in Saudi Arabia
 - 06 3.1.2. retrieve Numbers Of Digital Models
 - 07 3.1.3. register user
 - 08 3.1.4. Wireless Broadband Coverage in Saudi Arabia

09 4. Definitions

- 09 4.1. DigitalModelRs
- 09 4.2. FtthCoverageRs
- 09 4.3. RegisterRq
- 10 4.4. RegisterRs
- 10 4.5. ResponseEntity
- 11 4.6. WbCoverageRs

Chapter 1. Overview

This RESTful is an interface for MCIT Open Api

1.1. Version information

Version: 1.0

1.2. Contact information

Contact: MCIT Integration Team

1.3. License information

License: MCIT.GOV.SA License

License URL: <https://mcit.gov.sa>

Terms of service: MCIT Internal Services

1.3. License information

Host: api.mcit.gov.sa

BasePath: / Schemes: HTTPS

1.5. Tags

open-api-controller: Operations for MCIT Open Api

Chapter 2. Authorization

This service uses API KEY String as header parameter for user authentication.

2.1. API KEY Generation process

For API key, send an email to Integration@mcit.gov.sa containing: Full name, National ID, Mobile number and justification of use

Chapter 3. Resources

This service uses API KEY String as header parameter for user authentication.

3.1. Open-api-controller

Operations for MCIT Open Api

3.1.1. Fiber to the Home Coverage in Saudi Arabia

Get /api/ftthCoverage

Parameters

Type	Name	Description	Schema
Header	apiKey required	apiKey	string
Query	year optional	year	integer(int32)

Responses

HTTP Code	Description	Schema
200	successfully	FtthCoverageRs
401	You are not authorized to view the resource	ResponseEntity
403	Accessing the resource you were trying to reach is forbidden	ResponseEntity
404	The resource you were trying to reach is not found	ResponseEntity

Consumes

- application/json
- application/json;charset=utf-8

Produces

- application/json
- application/json;charset=utf-8

3.1.2. retrieve Numbers Of Digital Models

Get /api/numberOfDigitalModels

Parameters

Type	Name	Description	Schema
Header	apiKey required	apiKey	string
Query	year optional	quarter	integer(int32)
Query	year optional	year	integer(int32)

Responses

HTTP Code	Description	Schema
200	successfully	DigitalModelRs
401	You are not authorized to view the resource	ResponseEntity
403	Accessing the resource you were trying to reach is forbidden	ResponseEntity
404	The resource you were trying to reach is not found	ResponseEntity

Consumes

- application/json
- application/json; charset=utf-8

Produces

- application/json
- application/json; charset=utf-8

3.1.3. register user

Post /api/register

Parameters

Type	Name	Description	Schema
Body	apiKey required	RegisterRq	RegisterRq

Responses

HTTP Code	Description	Schema
200	User Registered successfully	RegisterRs
201	Created	No Content
401	You are not authorized to view the resource	ResponseEntity
403	Accessing the resource you were trying to reach is forbidden	ResponseEntity
404	The resource you were trying to reach is not found	ResponseEntity

Consumes

- application/json
- application/json;charset=utf-8

Produces

- application/json
- application/json;charset=utf-8

3.1.4. Wireless Broadband Coverage in Saudi Arabia

Get /api/webCoverage

Parameters

Type	Name	Description	Schema
Header	apiKey required	apiKey	string
Query	year optional	year	integer(int32)

Responses

HTTP Code	Description	Schema
200	successfully	WbCoverageRs
401	You are not authorized to view the resource	ResponseEntity
403	Accessing the resource you were trying to reach is forbidden	ResponseEntity
404	The resource you were trying to reach is not found	ResponseEntity

Consumes

- application/json

Produces

- application/json
- application/json;charset=utf-8

Chapter 4. Definitions

This service uses API KEY String as header parameter for user authentication.

4.1. DigitalModelRs

Name	Schema
numberOfModels optional	integer(int32)
quarter optional	integer(int32)
year optional	integer(int32)

4.2. FtthCoverageRs

Name	Schema
percentage optional	string
year optional	integer(int32)

4.3. RegisterRq

Name	Schema
email optional	string
mobileNo optional	string
name optional	string

4.4. RegisterRs

Name	Schema
appIdToken optional	string
status optional	string

4.5. ResponseEntity

Name	Schema
body optional	object
statusCode optional	enum (100 CONTINUE, 101 SWITCHING_PROTOCOLS, 102 PROCESSING, 103 CHECKPOINT, 200 OK, 201 CREATED, 202 ACCEPTED, 203 NON_AUTHORITATIVE_INFORMATION, 204 NO_CONTENT, 205 RESET_CONTENT, 206 PARTIAL_CONTENT, 207 MULTI_STATUS, 208 ALREADY_REPORTED, 226 IM_USED, 300 MULTIPLE_CHOICES, 301 MOVED_PERMANENTLY, 302 FOUND, 302 MOVED_TEMPORARILY, 303 SEE_OTHER, 304 NOT_MODIFIED, 305 USE_PROXY, 307 TEMPORARY_REDIRECT, 308 PERMANENT_REDIRECT, 400 BAD_REQUEST, 401 UNAUTHORIZED, 402 PAYMENT_REQUIRED, 403 FORBIDDEN, 404 NOT_FOUND, 405 METHOD_NOT_ALLOWED, 406 NOT_ACCEPTABLE, 407 PROXY_AUTHENTICATION_REQUIRED, 408 REQUEST_TIMEOUT, 409 CONFLICT, 410 GONE, 411 LENGTH_REQUIRED, 412 PRECONDITION_FAILED, 413 PAYLOAD_TOO_LARGE, 413 REQUEST_ENTITY_TOO_LARGE, 414 URI_TOO_LONG, 414 REQUEST_URI_TOO_LONG, 415 UNSUPPORTED_MEDIA_TYPE, 416 REQUESTED_RANGE_NOT_SATISFIABLE, 417 EXPECTATION_FAILED, 418 I_AM_A_TEAPOT, 419 INSUFFICIENT_SPACE_ON_RESOURCE, 420 METHOD_FAILURE, 421 DESTINATION_LOCKED, 422 UNPROCESSABLE_ENTITY, 423 LOCKED, 424 FAILED_DEPENDENCY, 425 TOO_EARLY, 426 UPGRADE_REQUIRED, 428 PRECONDITION_REQUIRED, 429 TOO_MANY_REQUESTS, 431 REQUEST_HEADER_FIELDS_TOO_LARGE, 451 UNAVAILABLE_FOR_LEGAL_REASONS, 500 INTERNAL_SERVER_ERROR, 501 NOT_IMPLEMENTED, 502 BAD_GATEWAY, 503 SERVICE_UNAVAILABLE, 504 GATEWAY_TIMEOUT, 505 HTTP_VERSION_NOT_SUPPORTED, 506 VARIANT_ALSO_NEGOTIATES, 507 INSUFFICIENT_STORAGE, 508 LOOP_DETECTED, 509 BANDWIDTH_LIMIT_EXCEEDED, 510 NOT_EXTENDED, 511 NETWORK_AUTHENTICATION_REQUIRED)
statusCodeValue optional	integer(int32)

4.6. WbCoverageRs

Name	Schema
percentage optional	string
year optional	integer(int32)

