

Telkomsel
nGage by Telkom Indonesia 
Video API

API Documentation

nGage Video API

1. Overview.....	3
2. API Data Types.....	3
3. Create Meeting.....	3
3.1 API Specification – Create Meeting.....	3
3.2 Resources Specification.....	4
3.2.1 Request Header.....	4
3.2.2 Request Body.....	4
3.3 API Response Specification.....	8
3.3.1 Response Header.....	8
3.3.2 Response Body.....	8
4. Recording.....	10
4.1 API Specification – Recording.....	10
4.2 Resources Specification.....	10
4.2.1 Request Header.....	10
4.2.2 Request Body.....	11
4.3 Response Specification.....	11
4.3.1 Response Header.....	11
4.3.2 Response Body.....	11

1. Overview

This document describes the nGage application programming interface (API).

For developers, this API enables you to

- create meetings
- Recording

2. API Data Types

There are three types in the API.

- **String**

This data type indicates a (UTF-8) encoded string. When passing String values to nGage API calls, make sure that you use correctly URL-encoded UTF-8 values so international text will show up correctly. The string must not contain control characters (values 0x00 through 0x1F).

- **Number**

This data type indicates a non-negative integer value. The parameter value must only contain the digits 0 through 9. There should be no leading sign (+ or -), and no comma or period characters.

- **Boolean**

A true/false value. The value must be specified as the literal string true or false (all lowercase), other values may be misinterpreted.

3. Create Meeting

3.1 API Specification – Create Meeting

Resources Name	Create
Provider	-
Description	Interface for create meeting
Endpoint URL	videoapi.telkomsel.com
Transport Protocol	HTTP(S)
Request Verb	POST

Content Type	application/json
Interaction Type	Synchronous
Security Policy	-

3.2 Resources Specification

3.2.1 Request Header

Header Field Name	Acceptable Value
Content-Type	application/json
Accept	application/json
api-key	API Key
Signature	SHA256-HMAC algorithm using API Secret with payload APP ID + Unix Timestamp
timestamp	Unix Timestamp

- Request Header Example:

```
Content-Type: application/json
Accept: application/json
api-key: {{api_key}}
Signature: {{signature}}
Timestamp : {{timestamp}}
```

3.2.2 Request Body

Parameter Name	Type	M/O	Description
transaction_id	String	M	Transaction ID unique identifier. Generated by client with format API ID + datetime YYYYMMDDhhmmssSSS
host_name	String	M	Host Name

participant_name	String	M	Participant Name
topic	String	M	Topic Meeting
config_host	Boolean	M	Host Meeting Configuration
disableInvite	Boolean	M	Disable Invite
disableCallOut	Boolean	M	Disable Callout
disableRecord	Boolean	M	Disable Record
disableJoinAudio	Boolean	M	Disable Join Audio
audioPanelAlwaysOpen	Boolean	M	Audio Panel Always Open
showPureSharingContent	Boolean	M	Show Pure Sharing Content
isSupportAV	Boolean	M	Is Support AV
isSupportChat	Boolean	M	Is Support Chat
isSupportQA	Boolean	M	Is Support Chat
isSupportPolling	Boolean	M	Is Support Polling
isSupportBreakout	Boolean	M	Is Support Breakout
isSupportCC	Boolean	M	Is Support CC
screenShare	Boolean	M	Screen Share
view_host	Boolean	M	View Host
participants_list	Boolean	M	Participant List
security_option	Boolean	M	Security Option
more_meeting_control	Boolean	M	More Meeting Control
config_participant	Boolean	M	Participant Configuration
disableInvite	Boolean	M	Disable Invite
disableCallOut	Boolean	M	Disable Call Out
disableRecord	Boolean	M	Disable Record
disableJoinAudio	Boolean	M	Disable join audio

audioPanelAlwaysOpen	Boolean	M	Audio Panel Always Open
showPureSharingContent	Boolean	M	Show Pure Sharing Content
isSupportAV	Boolean	M	Is Support Audio Video
isSupportChat	Boolean	M	Is Support Chat
isSupportQA	Boolean	M	Is Support QA
isSupportPolling	Boolean	M	Is Support Polling
isSupportBreakout	Boolean	M	Is Support Breakout
isSupportCC	Boolean	M	Is Support CC
screenShare	Boolean	M	Screen Share
view_partisipant	Boolean	M	View Participant
participants_list	Boolean	M	Participant List
security_option	Boolean	M	Security Option
more_meeting_control	Boolean	M	More Meeting Control

- Request Body Example

```
{
  "transaction_id": "{{transaction_id}}",
  "host_name": "User Host",
  "participant_name": "User Partisipant",
  "topic": "Meeting Ngage",
  "config_host": {
    "disableInvite": true,
    "disableCallOut": false,
    "disableRecord": true,
    "disableJoinAudio": false,
    "audioPanelAlwaysOpen": true,
    "showPureSharingContent": false,
    "isSupportAV": true,
    "isSupportChat": false,
    "isSupportQA": false,
    "isSupportPolling": false,
    "isSupportBreakout": false,
    "isSupportCC": false,
    "screenShare": false
  }
},
```

```

"view_host":{
  "participants_list": false,
  "security_option": false,
  "more_meeting_control": false
},
"config_participant": {
  "disableInvite": true,
  "disableCallOut": false,
  "disableRecord": true,
  "disableJoinAudio": false,
  "audioPanelAlwaysOpen": true,
  "showPureSharingContent": false,
  "isSupportAV": true,
  "isSupportChat": false,
  "isSupportQA": false,
  "isSupportPolling": false,
  "isSupportBreakout": false,
  "isSupportCC": false,
  "screenShare": false
},
"view_participant":{
  "participants_list": false,
  "security_option": false,
  "more_meeting_control": false
}
}

```

- Pre-request script example

```

const moment = require('moment');
var timestamp = moment().format("X");

postman.setEnvironmentVariable('timestamp', timestamp);
payload = pm.environment.get('api_id') + ':' + timestamp;

postman.setEnvironmentVariable('payload', payload);
var hmacSignature = CryptoJS.enc.Base64.stringify(CryptoJS.HmacSHA256(payload,
pm.environment.get('api_secret')));

postman.setEnvironmentVariable('signature', hmacSignature);

var transaction_id = pm.environment.get('api_id') + moment().format("YYMMDDhhmmssSSS");
postman.setEnvironmentVariable('transaction_id', transaction_id);

```

3.3 API Response Specification

3.3.1 Response Header

Header Field Name	Acceptable Value
Content-Type	application/json

- Response Header Example:

```
Content-Type: application/json
```

3.3.2 Response Body

Parameter Name	Type	M/O	Description
transaction_id	String	M	Transaction ID
status_desc	String	M	Status Description
app_id	String	M	Unique ID from App
meeting_id	String	M	Meeting ID
topic	String	M	Topic Meeting
start_url	String	M	URL Meeting
join_url	String	M	Join Url Meeting
password	String	M	Password for Meeting ID

- Response Body Example

```
{
  "transaction_id": "NVA0000012220513063515858",
  "status_desc": "Success",
  "app_id": "APP-NVA000001220220513063516089",
  "meeting_id": "91212048739",
  "topic": "Meeting Ngage",
  "start_url":
  "https://videoapi.telkomsel.com/meetings/start?auth_token=ESbt69I6Q1CsPsNbW5KjMw&auth_pair=0eS
```

yivWDAg6CE+7nXIzVYQ==&config=5QEILFG56QB33BMGYIB4LCEVGKK6BOQH3SGYWLEWQ64RJ
TUQSURYXZ5RDTBJLFBWTCL6FWNS6JSNEHQJZMJBESK2G6NII7Y2MI6OMI665BPUUXQUYYL
75HAS4JN22VTCBKA462Q3VFLHX5V4B4VCM6KPUILOINZ2MYMU77SZQVWMI5QSYZAVROG76
BECW52KL64O2TCADT377XIDLZB4PKKL6PJYU2GLIUNUQQ66YDOMXBMZZ7BVZ5LHIJFRY5DQ
ML6WCQSHCLDANWLQMSDUSHGNIJJUZ3AEIQVUFQ2SQHSMPMSMRISZFRA7MJH3RAT6CMEE63
62IFFH7VHBZMZBESXCIOEKYXZSB66JXK4C7QDWEZQE2Z7QHUC4PLCBUSO5LYCG666IFL37JV
YI4FGEYKOC6XOIGXSDY6UUX46WBPPEQ5MQJ7A53B3EIVEZZTCDLQA6GQ2HFF3XUXUG5ZBXP
EWLYLJTRYOMJQLER5CXXBPMXRKBKOT5NYAC6Y7EBKRH73EB6FQ2PFJGXUYUKLTFUSKWO6LJI
VYG6UME24SZBHTUASZKOTBN4APDIJFRDSWC3UC656SJSXG4EWUGL3F4QGLX7LLAHZKHJEV7
K7S7RPXMT54ZJ345FC27JBGRT2BMI4GERKJTTHMHXYIMJAEWEPUOHORYCEIYL4Q7C3QVW
7UTATZDZF7OC4ZHAZQ57S2OBGISKJFLD7EXQL4PF4JF6O6XLYDZWC6UMMX7G4XFTULRUQJ5A
VGCPJIBFRA53YMIAGYTGODPH74XVYMP4UQE2J7HPAMXXZOWM7P5GWANRUMQAQJHAWD
BLFILCBGR323Y4OZQ6FTF2PSUIIMBBUNHOFPLMQNZX3ZQJUO46QA5XUSQETJX6FXCTDIL3JITL
Q36AWFS3WSRHUDXYKMT5PPGCIIFOA53WCZ2N466K4HPSMHQERIX7OAB3C7HD2S5DZ2446OR
SMFPGMEV4A5ZAUJGGI77QYM2L2JAKEI72TQ7RMYR4ZOXYVCBLOY5AZQ5GBKACQJR6HDND7
VUB34VG4KGWGPVMINYCBYUJ6K5AVTMMTU2IZZFTBTJZJEJO53626COFS7WCV37BUMF375M
PKPUYFLQ53KGO2IERQK4B7SMRQE4Z34VIMDTEYHDS572MC4N76OASXD7VUIB43CURE2NYLJ
YMYOLJ4NEV6XBQ7UMJREUJX7FTA7YNDZSSLRKEF62QCACRF7IWQFNRE4PGGEPLJDXZWEYQ
U4P6K7AZPPTRIRJN7NCATHINHZW53SLGBGT6OPFLDH5V4H4LF4AECH75NAVYX3YYME65CZB
BSMM5YQJH25MBLNJDC2UT323A46K6KHDRCHQUYHL3544EODPXQAN32DJYNU3Q6RQVQ4MTU
3JH7NDAG7ZDAJKQT53IFOFRCINTR3XIYEONTEXMECKOFIYP3HZI4VUM6K2BBSM3RYZJJ4GBBO6
7PFJVRHZ2EAONQSATNBMF4E5HAE4GSH77QYMX2K6UMEU722BLRMYR4YI32F6D7MZRABIST
R4GCWKRGECTFPVXRYNV4XNHCHPPRINXWFJCM36PCQPXMETI2JHZFTBPJZJHGBGS7526DF7QX
WCRHXB4GNXCEMGCPIFLQUZWIO6KHL5OQATSPWTIXOT6WDBDEYLAJKRP5KMC5R5RCOCL
HXSYECN3CEMK6CIJLYL3SB2JU57XBB3UMPQERIV75PBPDIZCBATCBLEFGKTCKVH2XIWAFMT4
UMGHUPVIYQ3WCYCIU6O5ARREIRI5Q&fullname=User%20Host",
"join_url":
"https://videoapi.telkomsel.com/meetings/join?auth_token=ESbt69I6Q1CsPsNbW5KjMw&auth_pair=0eS
yivWDAg6CE+7nXIzVYQ==&config=QCU7JEHMVQKLJVAHHXQB4DCU5JKEPNKLMUOJIYNMJ5SV
B7UUSHSNEZJZNCCHBIVERVQPW2AGNGRSK6LCZF3QKMJG4UTOLOBMQ63DUI4NXR6WWRVXM
HQEXIR3O7BHJY3BCGQ3XKA2OFSCCTXBXMWAB4B2MWJGCRKIZYLWYMMEE5W5R5R4PRU2I
TYNRCPOO32ZQ5X25WAWXSCGCL245XYOMJDMHF6NO5OI6YSKZMLE35G7W3WHJQRGIR3V4B
PJT5DMOS6O2KHOWYSKSREPFVUHTPWUH2JODXATUCVYITMD7WLG7Q5H6E2ZB5NODLLZH
AJR6TS2C2GUROLE3G7MWAP2FCERHU&fullname=User%20Participant",

```
    "password": "4u4UEK"
  }
```

- Response Body Error

```
Sample for wrong api_id, api_key and api_secret :
{
  "transaction_id": "NVA0000016220513040118775",
  "status_desc": "Not Authorized"
}
```

4. Recording

4.1 API Specification – Recording

Resources Name	Recording
Provider	-
Description	Interface for recording
Endpoint URL	videoapi.telkomsel.com
Transport Protocol	HTTP(S)
Request Verb	POST
Content Type	application/json
Interaction Type	Synchronous
Security Policy	-

4.2 Resources Specification

4.2.1 Request Header

Header Field Name	Acceptable Value
Content-Type	application/json
Accept	application/json
api-key	API Key

Signature	SHA256-HMAC algorithm using API Secret with payload APP ID + Unix Timestamp
timestamp	Unix Timestamp

- Request Header Example:

```
Content-Type: application/json
Accept: application/json
api-key: {{api_key}}
Signature: {{signature}}
Timestamp : {{timestamp}}
```

4.2.2 Request Body

Parameter Name	Type	M/O	Description
transaction_id	String	M	Transaction ID unique identifier. Generated by client with format API ID + datetime YYMMDDhhmmssSSS
app_ids	Array String	M	List of app_id from create meeting

- Request Body Example

```
{
  "transaction_id": "{{transaction_id}}",
  "app_ids": ["APP-NVA000001220220513063516089"]
}
```

4.3 Response Specification

4.3.1 Response Header

Header Field Name	Acceptable Value
Content-Type	application/json

4.3.2 Response Body

Parameter Name	Type	M/O	Description
----------------	------	-----	-------------

transaction_id	String	M	ID Transaction
status_desc	String	M	Status
recordings	Array	M	List object recording
app_id	string	M	App ID
meeting_id	string	M	Meeting ID
topic	string	M	Topic Meeting
recording_files	Array	M	List object recording files
file_type	string	M	File type
file_extension	string	M	File extension
download_url	string	M	Link download file
file_size	string	M	File size (bit)
recording_type	string	M	Recording type

- Response Body Example

```

{
  "transaction_id": "NVA0000012220513063003077",
  "status_desc": "Success",
  "recordings": [
    {
      "app_id": "APP-NVA000001220220513063516089",
      "meeting_id": "91212048739",
      "topic": "Meeting Ngage",
      "recording_files": [
        {
          "file_type": "MP4",
          "file_extension": "MP4",
          "download_url": "https://videoapi.telkomsel.com/rec/webhook_download/m-
wRnn-alhtBBRLN0ipf-
_RH1wtnmahkOajj_jsrRup3kEaBL_tuUKfQSfsoEmLy.MSxHT3PHyLJjRij/ZwV6YOw2m3xNLU2s3Uk
RiSLJjd-ybQN7uCUKSIQlviYzqKg9CNBPwZrQadbpK5h",
          "file_size": "2709009",
          "recording_type": "shared_screen_with_speaker_view",
        },
        {
          "file_type": "M4A",
          "file_extension": "M4A",

```

```
        "download_url": "https://videoapi.telkomsel.com/rec/webhook_download/m-  
wRnn-alhtBBRLN0ipf-  
p3kEaBL_tuUeofaUUCtuKfQSfsoEmLy.MSxHT3PHyLjJrij/ZwV6YOw2m3xNLU2s3UkRiSLjd-  
ybQN7uCUKSIQIBPE8ubNRLHg.2hsf0wZrQadbpK5h",  
        "file_size": "2709009",  
        "recording_type": "shared_screen_with_speaker_view",  
    }  
]  
,  
]  
}
```

- Response Body Error

Sample for wrong api_id, api_key and api_secret :

```
{  
  "transaction_id": "NVA0000016220513040118775",  
  "status_desc": "Not Authorized"  
}
```