

WhatsApp Business Account - Schedules API | Developer Documentation

WhatsApp Business Account - Schedules API

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Version

API for managing WhatsApp Business Account schedules and scheduling configurations.

This endpoint allows businesses to manage scheduling functionality for their WhatsApp Business Account,

including retrieving existing schedules and creating new scheduling configurations for automated messaging,

business hours, and other time-based operations.

GET /{Version}/{WABA-ID}/schedules

Retrieve all schedules associated with a WhatsApp Business Account, including their configuration, status, and execution details.

Use Cases:

List all schedules in a WhatsApp Business Account

Monitor schedule status and performance

Check schedule configuration and timing details

Retrieve schedule execution history and metrics

Filtering:

You can filter results using the `filtering` parameter with JSON-encoded filter conditions.

Supported filters include status, schedule_type, and is_active.

Sorting:

Results can be sorted by `created_time` or `updated_time` in ascending or descending order.

Rate Limiting:

Standard Graph API rate limits apply. Use appropriate retry logic with exponential backoff.

Caching:

Schedule data can be cached for short periods, but status information may change frequently. Implement appropriate cache invalidation strategies.

Request Syntax

Try it

Select language

Select status code

Header Parameters

User-Agentstring

The user agent string identifying the client software making the request.

Authorizationstring·required

Bearer token for API authentication. This should be a valid access token obtained through the appropriate OAuth flow or system user token.

Path Parameters

Versionstring·required

Graph API version to use for this request. Determines the API behavior and available features.

WABA-IDstring·required

WhatsApp Business Account ID. This ID can be found in your WhatsApp Manager or through the business management APIs.

Query Parameters

fieldsstring

Comma-separated list of fields to include in the response. If not specified, default fields will be returned. Available fields include: `id`, `name`, `status`, `schedule_type`, `description`, `start_time`, `end_time`, `timezone`, `days_of_week`, `created_time`, `updated_time`, `is_active`, `recurrence_pattern`

filteringstring

JSON-encoded array of filter conditions. Each filter should specify field, operator, and value.

Supported fields: `status`, `schedule_type`, `is_active`

sortOne of "`created_time.asc`", "`created_time.desc`", "`updated_time.asc`", "`updated_time.desc`"

Sort field and direction. Format: `field_name.asc` or `field_name.desc`

Supported fields: `created_time`, `updated_time`

limitinteger [min: 1, max: 100]

Maximum number of schedules to return per page

afterstring

Cursor for pagination - retrieve records after this cursor

beforestring

Cursor for pagination - retrieve records before this cursor

Responses

Retrieve all schedules associated with a WhatsApp Business Account, including their configuration, status, and execution details.

Use Cases:

List all schedules in a WhatsApp Business Account

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Sorting:

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Rate Limiting:

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Caching:

Schedule data can be cached for short periods, but status information may change frequently. Implement appropriate cache invalidation strategies.

200

Successfully retrieved WhatsApp Business Account schedules

Content Type: `application/json`

Schema: `WhatsAppBusinessAccountSchedulesConnection`

Show child attributes

`WhatsAppBusinessAccountSchedulesConnection`

`dataarray of WhatsAppBusinessAccountSchedule·required`

Array of schedule records

Show child attributes

`data[]WhatsAppBusinessAccountSchedule`

WhatsApp Business Account schedule configuration and details

Show child attributes

`idstring·required`

Unique identifier for the schedule

`namestring·required`

Human-readable name for the schedule

statusWhatsAppScheduleStatus·required
Current status of the schedule

schedule_typeWhatsAppScheduleType·required
Type of schedule configuration

descriptionstring
Optional description of the schedule purpose

start_timestring (time)
Schedule start time in HH:MM format

end_timestring (time)
Schedule end time in HH:MM format

timezonestring
Timezone identifier for the schedule

days_of_weekarray of DayOfWeek
Days of the week when the schedule is active
Show child attributes

days_of_week[]DayOfWeek
Day of the week

created_timestring (date-time)
ISO 8601 timestamp when the schedule was created

updated_timestring (date-time)
ISO 8601 timestamp when the schedule was last updated

is_activeboolean
Whether the schedule is currently active

recurrence_patternRecurrencePattern
Pattern for recurring schedules
Show child attributes

frequencyOne of "DAILY", "WEEKLY", "MONTHLY", "YEARLY"

intervalinteger [min: 1]
Interval between recurrences

end_datestring (date)
End date for the recurrence pattern

pagingCursorPaging
Cursor-based pagination information
Show child attributes

cursorsobject
Show child attributes

beforestring
Cursor pointing to the start of the page

afterstring
Cursor pointing to the end of the page

previousstring
URL for the previous page of results

nextstring
URL for the next page of results
400
Bad Request - Invalid parameters or malformed request
Content Type: application/json
Schema: GraphAPIError
Show child attributes

GraphAPIError

errorobject·required
Show child attributes

messagestring·required
Human-readable error message

typestring·required

Error category type

codeinteger·required
Numeric error code

error_subcodeinteger
More specific error subcode when available

fbtrace_idstring
Unique identifier for debugging and support requests with Meta

is_transientboolean
Indicates whether this error is temporary and the request should be retried

error_user_titlestring
User-friendly error title for display purposes

error_user_msgstring
User-friendly error message for display purposes
401
Unauthorized - Invalid or missing access token
Content Type: application/json
Schema: GraphAPIError
Show child attributes

GraphAPIError

errorobject·required
Show child attributes

messagestring·required
Human-readable error message

typestring·required
Error category type

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User-friendly error title for display purposes

error_user_msgstring

User-friendly error message for display purposes

403

Forbidden - Insufficient permissions or access denied

Content Type: application/json

Schema: GraphAPIError

Show child attributes

GraphAPIError

errorobject.required

Show child attributes

messagestring.required

Human-readable error message

typestring.required

Error category type

codeinteger.required

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User-friendly error title for display purposes

error_user_msgstring

User-friendly error message for display purposes

404

Not Found - WhatsApp Business Account ID does not exist or is not accessible

Content Type: application/json

Schema: GraphAPIError

Show child attributes

GraphAPIError

errorobject.required

Show child attributes

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Human-readable error message

typestring.required

Error category type

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User-friendly error message for display purposes

422

Unprocessable Entity - Request parameters are valid but cannot be processed

Content Type: application/json

Schema: GraphAPIError

Show child attributes

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errorobject.required

Show child attributes

messagestring.required

Human-readable error message

typestring.required

Error category type

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error_user_msgstring

User-friendly error message for display purposes

429

Too Many Requests - Rate limit exceeded

Content Type: application/json

Schema: GraphAPIError

Show child attributes

GraphAPIError

errorobject·required
Show child attributes

messagestring·required
Human-readable error message

typestring·required
Error category type

codeinteger·required
Numeric error code

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More specific error subcode when available

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error_user_msgstring
User-friendly error message for display purposes
500
Internal Server Error - Unexpected server error
Content Type: application/json
Schema: GraphAPIError
Show child attributes

GraphAPIError

errorobject·required
Show child attributes

messagestring·required

Human-readable error message

typestring-required
Error category type

codeinteger-required
Numeric error code

error_subcodeinteger
More specific error subcode when available

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Indicates whether this error is temporary and the request should be retried

error_user_titlestring
User-friendly error title for display purposes

error_user_msgstring
User-friendly error message for display purposes
Select language

Select status code

POST /{Version}/{WABA-ID}/schedules

Create a new schedule configuration within a WhatsApp Business Account. This endpoint allows businesses to set up automated scheduling for various operations such as business hours, automated responses, and maintenance windows.

Use Cases:

Create business hours schedules for automated responses

Set up maintenance windows for system operations

Configure automated message campaigns with timing

Establish recurring schedule patterns for business operations

Prerequisites:

WhatsApp Business Account must have scheduling feature enabled

Appropriate permissions for schedule management

Valid timezone and time format specifications

Business must meet WhatsApp Business API requirements

Process Flow:

Submit schedule configuration with timing and recurrence details

System validates schedule parameters and conflicts

Schedule is created and activated based on is_active flag

Monitor schedule status through GET endpoint

Rate Limiting:

Schedule creation is subject to rate limits to prevent abuse.

Standard Graph API rate limits also apply.

Validation:

Start time must be before end time

Timezone must be valid IANA timezone identifier

Days of week must be valid if specified

Recurrence pattern must be consistent with schedule type

Request Syntax

Try it

Select language

Select status code

Header Parameters

User-Agentstring

The user agent string identifying the client software making the request.

Authorizationstring·required

Bearer token for API authentication. This should be a valid access token obtained through the appropriate OAuth flow or system user token.

Path Parameters

Versionstring·required

Graph API version to use for this request. Determines the API behavior and available features.

WABA-IDstring·required

WhatsApp Business Account ID where the schedule will be created.

This ID can be found in your WhatsApp Manager or through business management APIs.

Required

Content Type: application/json

Schema: ScheduleCreateRequest

Show child attributes

ScheduleCreateRequest

namestring·required

Human-readable name for the schedule

schedule_typeWhatsAppScheduleType·required

Type of schedule configuration

descriptionstring

Optional description of the schedule purpose

start_timestring (time)·required

Schedule start time in HH:MM format

end_timestring (time)·required

Schedule end time in HH:MM format

timezonestring

Timezone identifier for the schedule

days_of_weekarray of DayOfWeek

Days of the week when the schedule is active

Show child attributes

days_of_week[]DayOfWeek

Day of the week

is_activeboolean

Whether the schedule should be active upon creation

recurrence_patternRecurrencePattern

Pattern for recurring schedules

Show child attributes

frequencyOne of "DAILY", "WEEKLY", "MONTHLY", "YEARLY"

intervalinteger [min: 1]

Interval between recurrences

end_datestring (date)

End date for the recurrence pattern

Responses

Create a new schedule configuration within a WhatsApp Business Account. This endpoint allows businesses to set up automated scheduling for various operations such as business hours, automated responses, and maintenance windows.

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Validation:

Start time must be before end time

Timezone must be valid IANA timezone identifier

Days of week must be valid if specified

Recurrence pattern must be consistent with schedule type

200

Successfully created schedule

Content Type: application/json

Schema: ScheduleCreateResponse

Show child attributes

ScheduleCreateResponse

idstring·required

Unique identifier for the created schedule

400

Bad Request - Invalid parameters or malformed request

Content Type: application/json

Schema: GraphAPIError

Show child attributes

GraphAPIError

errorobject·required

Show child attributes

messagestring·required

Human-readable error message

typestring·required

Error category type

codeinteger·required

Numeric error code

error_subcodeinteger

More specific error subcode when available

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error_user_titlestring

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User-friendly error message for display purposes

401

Unauthorized - Invalid or missing access token

Content Type: application/json

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User-friendly error message for display purposes
403
Forbidden - Insufficient permissions or schedule limit exceeded
Content Type: application/json
Schema: GraphAPIError
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Show child attributes

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Human-readable error message

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Not Found - WhatsApp Business Account ID does not exist or is not accessible
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error_user_titlestring

User-friendly error title for display purposes

error_user_msgstring

User-friendly error message for display purposes

409

Conflict - Schedule name already exists or time conflict

Content Type: application/json

Schema: GraphAPIError

Show child attributes

GraphAPIError

errorobject.required

Show child attributes

messagestring.required

Human-readable error message

typestring.required

Error category type

codeinteger.required

Numeric error code

error_subcodeinteger

More specific error subcode when available

fbtrace_idstring

Unique identifier for debugging and support requests with Meta

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422
Unprocessable Entity - Request parameters are valid but cannot be processed
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User-friendly error message for display purposes

429

Too Many Requests - Rate limit exceeded

Content Type: application/json

Schema: GraphAPIError

Show child attributes

GraphAPIError

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Show child attributes

messagestring.required

Human-readable error message

typestring.required

Error category type

codeinteger.required

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Internal Server Error - Unexpected server error

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Select language

Select status code

Authentication

Scheme	Type	Location
bearerAuth	HTTP Bearer	Header: <code>Authorization</code>

Usage Examples

bearerAuth:

Include `Authorization: Bearer your-token-here` in request headers

Global Authentication Requirements

All endpoints require:

bearerAuth

Revision #5

Created 2026-04-01 15:37:20 UTC by New Admin

Updated 2026-04-06 17:52:24 UTC by New Admin