

# API Methods: createCheck Endpoint

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CHECKCENTRAL



BINARYFORTRESS

# API Methods: createCheck Endpoint

The CheckCentral API provides an endpoint for programmatically creating Checks.

To create a new Check through the API, an API token with Read/Write access is required. Organization administrators can create tokens through the API portal on your dashboard.

The screenshot displays the CheckCentral dashboard interface. At the top, a navigation bar includes links for Dashboards, Checks, Notifications, Activities, Organization, and Help. The Organization dropdown menu is open, highlighting the API option. Below the navigation bar, the main content area features the Binary Fortress logo and a section titled 'API Tokens'. This section includes a '+ Add Token' button and a 'Documentation' link. Below this, there is a large grey box with the text 'no api tokens found'. A similar section for 'User API Tokens' is visible at the bottom, also showing a '+ Add Token' button, a 'Documentation' link, and a 'no api tokens found' message.

"User API Tokens" will only return data available to the user based on their granted permissions and user groups. Regular "API Tokens" have the Access Level given upon creation.

The endpoint is located at `https://api.checkcentral.cc/createCheck/?apiToken=APITOKEN` where the APITOKEN placeholder is replaced with your valid token.

The request must be made with the `Content-Type` header set to `application/json`. The body of the request should contain as many of the properties below to properly define the Check. Any properties not passed will be set to their default value.

For example, we want to create a new Check that:

- Receives messages at the address `demo+apicheck@mycheckcentral.cc`.
- Expects messages every two hours.
- Expects messages only on weekdays.
- Is set to `Failure` unless the message subject is `Message Success` or the message body has the text `No Errors Reported`.

To achieve this, we send the following json in the body of the request:

```
{
  "name": "An API Check",
  "email_alias": "apicheck",
  "interval_type": "hour",
  "interval_value": 2,
  "active_days": [
    "mon",
    "tue",
    "wed",
    "thu",
    "fri"
  ],
  "success_conditions": {
    "required_conditions": "any",
    "conditions": [
      {
        "message_field": "subject",
        "matches": "exactly",
        "value": "Message Success"
      },
      {
        "message_field": "body",
        "matches": "contains",
        "value": "No Errors Reported"
      }
    ]
  }
}
```

The check data must include a `name` property, as well as at least one `email_alias` and `matching_conditions` to match the Check against incoming messages.

The complete list of possible properties for check configuration are as follows:

## Check Structure

Parameter	Type/Allowed Values	Default
<code>name</code>  The name for the new check.  <b>This parameter is required.</b>	String	
<code>email_alias</code>  The 'plus alias' for the check. This will be used to generate the custom email address for the Check along with your organization account name (account_name+email_alias@mycheckcentral.cc).  <b>At least one <code>email_alias</code> or <code>matching_conditions</code> parameter must be specified.</b>	String	
<code>matching_conditions</code>  The rules that will be used to match incoming messages. (See the <a href="#">ConditionGroup</a> table below.)  <b>At least one <code>email_alias</code> or <code>matching_conditions</code> parameter must be specified.</b>	<a href="#">ConditionGroup</a>	<code>{}</code>
<code>group_id</code>  The ID of the group to assign this check. (IDs may be retrieved from the getGroups API endpoint.)	String	
<code>description</code>  A text description for the check.	String	

<div data-bbox="64 237 264 287">interval_type</div> <p>The interval unit CheckCentral will use to calculate the expected arrival time of incoming messages.</p>	<p>One of:</p> <ul style="list-style-type: none"> <li>minute</li> <li>hour</li> <li>day</li> <li>week</li> <li>month</li> </ul> <div data-bbox="1442 300 1502 350">day</div>
<div data-bbox="64 573 279 623">interval_value</div> <p>The number of interval units (see <div data-bbox="479 674 678 724">interval_type</div> above) used when calculating the expected arrival of incoming messages.</p>	<p>Integer</p> <div data-bbox="1442 644 1474 695">1</div>
<div data-bbox="64 837 292 888">overdue_minutes</div> <p>How many minutes after the interval has elapsed CheckCentral will wait before flagging the check as failed.</p>	<p>Integer</p> <div data-bbox="1442 905 1485 955">30</div>
<div data-bbox="64 1089 250 1140">window_start</div> <p>An optional time of day when messages will begin to be received.</p>	<p>String</p> <div data-bbox="1442 1161 1531 1211">00:00</div>
<div data-bbox="64 1299 222 1350">window_end</div> <p>An optional time of day when messages will cease to be received.</p>	<p>String</p> <div data-bbox="1442 1371 1531 1421">00:00</div>
<div data-bbox="64 1677 237 1728">active_days</div> <p>Pass an array of days to indicate which days the check should expect to receive messages.</p>	<p>An array containing either <div data-bbox="1349 1518 1409 1568">all</div>, or any of:</p> <ul style="list-style-type: none"> <li>sun</li> <li>mon</li> <li>tue</li> <li>wed</li> <li>thu</li> <li>fri</li> <li>sat</li> </ul> <div data-bbox="1442 1736 1502 1787">all</div>

`enabled_notifications`

Pass an array of personal notification services to configure the check to send alerts via those services.

An array containing any of:

- email
  - sms
  - push
  - pushbullet
  - pushover
- [ ]

`enabled_integrations`

Pass an array of organization notification services to configure the check to send alerts via those services.

An array containing any of:

- slack
  - mattermostwebhook
  - discordwebhook
  - googlechatwebhook
  - slackwebhook
  - microsoftteamswebhook
  - customwebhook
  - jirasoftwarewebhook
  - zendeskapi
  - ifttt
  - webexwebhook
  - zapierwebhook
  - rocketchatwebhook
  - zulipwebhook
  - asanaapi
  - externalemails
  - redmineapi
  - bugzillaapi
  - githubapi
  - gitlabapi
  - microsofttodolistapi
- [ ]

`notify_returned_to_success`

Checks with this flag will send an alert when they are restored to a success state by an incoming message.

Bool

true

`notify_outside_window`

Checks with this flag set to false will only send alerts during the time window and active days configured above.

Bool

`true``notify_consecutive_alerts`

This parameter controls when CheckCentral will send alerts about repeated failure or warning messages.

One of:

- `always`
- `first`
- `after_n`
- `every_nth`

`always``notify_consecutive_alerts_limit`

If `notify_consecutive_alerts` is set to either `after_n` or `every_nth`, this parameter configures how many consecutive failures or consecutive warnings will trigger alerts.

Integer

`1``notify_failure_grace_period`

The number of minutes this check will wait to send alerts about failures. If the check is returned to successful status before this period elapses, any pending alerts will be cancelled.

Integer

`0``default_status`

The default status for incoming messages that don't match against any of the conditions below.

One of:

- `success`
- `warning`
- `failure`

`failure``success_conditions`

The rules that determine whether incoming messages will be set to success. See the definition of a [ConditionGroup](#) below.

ConditionGroup

`{}`



warning\_conditions

ConditionGroup

{}

The rules that determine whether incoming messages will be set to warning.  
See the definition of a [ConditionGroup](#) below.

failure\_conditions

ConditionGroup

{}

The rules that determine whether incoming messages will be set to failure.  
See the definition of a [ConditionGroup](#) below.

## ConditionGroup

Parameter	Type/Allowed Values	Default
<p>required_conditions</p> <p>This parameter controls whether incoming messages must meet any or all of the conditions defined below to be considered a match.</p>	<p>One of:</p> <ul style="list-style-type: none"><li>all</li><li>any</li></ul>	<p>all</p>
<p>condense_whitespace</p> <p>If this flag is set, all of the conditions defined in this group will treat multiple whitespace characters as a single space.</p>	<p>Bool</p>	<p>false</p>
<p>conditions</p> <p>The list of conditions for this ConditionGroup to match messages against. See the definition of a <a href="#">Condition</a> below.</p>	<p>An array containing one or more of: <a href="#">[Condition]</a></p>	<p>{}</p>

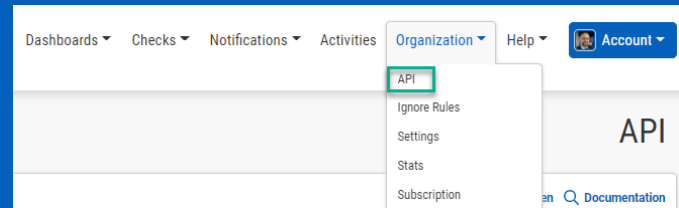
# Condition

Parameter	Type/Allowed Values	Default
<div>message_field</div> <p>Which part of the incoming message will be examined for this condition.</p>	<p>One of:</p> <ul style="list-style-type: none"><li>subject</li><li>body</li><li>to</li><li>cc</li><li>attachments</li><li>attachment_text</li><li>from</li><li>originally_to</li></ul>	<div>subject</div>
<div>matches</div> <p>What matching rule this condition will use.</p>	<p>One of:</p> <ul style="list-style-type: none"><li>contains</li><li>not_contains</li><li>exactly</li><li>empty</li><li>not_empty</li><li>has_attachments</li><li>has_no_attachments</li><li>filename_contains</li><li>filename_not_contains</li><li>filename_exact</li><li>text_contains</li><li>text_not_contains</li><li>complex_match</li><li>complex_filename_match</li><li>complex_text_match</li></ul>	<div>contains</div>
<div>value</div> <p>The value to use with the above matching rule and message component.</p>	String	

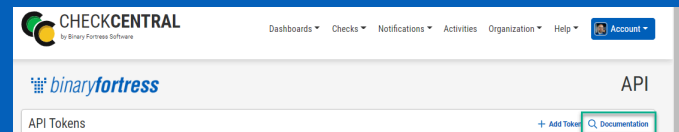
# More API Documentation and Help

A full list of API Methods are available via the API page under your CheckCentral organization.

Log in to your account. Click "Organization" from the main menu, then "API."



Click "Documentation."



Here you'll see the list of Methods available, their permission requirements, their purpose, and the call limit per day.

CheckCentral API			<a href="#">Return to API Tokens</a>	<a href="#">Contact Support</a>
Method	Description	Calls Per Day		
Read Only API Token Required				
<a href="#">getChecks</a>	Gets information about the checks for an organization.	15/10000		
<a href="#">getActivities</a>	Gets Activities.	0/10000		
<a href="#">getCheckGroups</a>	Gets information about the groups for an organization.	0/10000		
<a href="#">getDashboards</a>	Gets information about the custom dashboards for an organization.	0/10000		
<a href="#">getIssues</a>	Gets a list of current issues for an organization.	0/10000		
<a href="#">getOverview</a>	Reports on the overall status of an organization.	0/10000		
<a href="#">getPermissions</a>	Gets a list of permissions for a check group, user, or user group.	0/10000		
<a href="#">generateReport</a>	Serve the specified report data.	0/10000		
<a href="#">getReports</a>	Gets a list of reports for an organization.	0/10000		
<a href="#">getUsers</a>	Gets a list of users for an organization.	0/10000		
<a href="#">getUserGroups</a>	Gets a list of user groups for an organization.	0/10000		
Read/Write API Token Required				
<a href="#">createActivities</a>	Create new activities.	0/10000		

Click on any of the Methods to see a testing area with parameter requirements and an example of usage. Populate the fields and click "Send Test Request" to see the JSON Response.

getChecks					<a href="#">Return to API Documentation</a>	<a href="#">Contact Support</a>
Parameter	Value	Default Value	Data Type	Description		
apiToken	<input type="text"/>	-	string	The <b>API token</b> used to authenticate your organization. <a href="#">API token with Read Only access required.</a>	<input checked="" type="checkbox"/>	
checkid	<input type="text"/>	-	string	Pass a check ID to return only a single check.	<input type="checkbox"/>	
checkName	<input type="text"/>	-	string	Pass a value to return checks with names that contain that value. This will be overridden by the checkid parameter.	<input type="checkbox"/>	
activityCount	<input type="text" value="0"/>	0	int	Include the recent activities of the returned checks. The response is limited to a maximum of 30 activities per check.	<input type="checkbox"/>	
includeSettings	<input type="checkbox"/>	false	bool	Include the configured settings of returned checks.	<input type="checkbox"/>	
<button>Send Test Request</button>						
<h3>How to Use This API</h3>						
To use this API you need to send a GET request to the endpoint shown below. This endpoint is limited to 10,000 calls per day.						
Endpoint: <a href="https://api.checkcentral.cc/getChecks/?apiToken=">https://api.checkcentral.cc/getChecks/?apiToken=</a>						
Curl Example: <code>curl -X GET "https://api.checkcentral.cc/getChecks/?apiToken="</code>						
If you need any help using this API, please feel free to <a href="#">contact us</a> .						
<h3>JSON Response</h3>						
Send a test request to see what the JSON response would look like.						

# About CheckCentral

CheckCentral Monitoring consolidates and simplifies backup, system, and software email updates into a clean, graphical dashboard, bringing peace of mind to IT administrators of SMBs, Enterprises, and MSPs.

To learn more about CheckCentral, visit: <https://www.checkcentral.cc>

# About Binary Fortress Software

Binary Fortress has spent 18 years in pursuit of one goal: create software to make life easier. Our software ranges from display management and system enhancement utilities to monitoring tools and digital signage. IT administrators, professional gamers, coffee-shop owners, and MSPs all rely on Binary Fortress to make their days better, and their lives easier.

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