# Online Documentation

# <https://bluedag.atlassian.net/wiki/spaces/BKB/pages/239468545/Object+Endpoints>

# /v1/evaluation

Evaluations play a crucial role in the BlueDAG platform as they serve as the identification (ID) for accessing additional information related to a particular evaluation. With the help of evaluations, the BlueDAG platform can retrieve data related to barriers, documents, checklists, and files associated with the evaluation.

The BlueDAG platform uses a RESTful API for accessing and updating the evaluation data. All the API calls for data retrieval are GET requests, which means that the platform only retrieves the data from the server, and does not modify or update it. On the other hand, the API calls for updating evaluation data are POST requests, which means that the platform can send data to the server and update the existing evaluation data.

In summary, evaluations serve as the key data in the BlueDAG platform and are used as an identifier to access additional information related to a particular evaluation. The API calls for data retrieval and updating are GET, POST, PATCH, and DELETE requests.

### GET /v1/evaluation/list

Description: List name and ID of Evaluation objects, paginated (See “Pagination”)

Parameters: optional pagination parameters

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": [

{

"ID": 1,

"Name": "Evaluation 1"

},

{

"ID": 2,

"Name": "Evaluation Due"

},

{

"ID": 3,

"Name": "Evaluation Drei"

}

],

"meta": {

"start": 0,

"count": 3,

"total": 1147

}

}

### GET /v1/evaluation/<ID>

Description: Fetch the current details of a specified evaluation. The exact format may vary, as determined by specific evaluation options, and enabled subscriber features. (see the “/evaluation/describe” endpoint below for more details)

Parameters: Evaluation ID <ID>

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": {

"ID": 30,

"Name": "T3 Placetime",

"Number": "",

"Description": "Oh, we describin' now.",

"Type": {

"value": "building3",

"label": "Title 3 Building"

},

"Standards": [

{

"value": 21,

"label": "2012 TAS"

}

],

"ChecklistGroup": {

"value": 64,

"label": "Office Building"

},

"InspectionType": {

"value": 10,

"description": "TAS Inspection",

"isTas": true

},

"Customer": {

"value": 90,

"label": "Customer Name"

},

"Address": {

"Address": "123 Street",

"Address2": "",

"Apartment": "",

"City": "City",

"State": "State",

"Zip": 95670,

"ZipFour": 0,

"Note": "",

"Latitude": 38.0,

"Longitude": -121.0

},

"Bounds": {

"MaximumLatitude": 38.1,

"MaximumLongitude": -121.1,

"MinimumLatitude": 37.9,

"MinimumLongitude": -120.9

},

"FacilityName": "Facility Name",

"TABSNumber": "0000000",

"Stories": 37,

"Buildings": 1,

"BuildYear": null

}

}

### GET /v1/evaluation/describe

Description: Fetch a description of available fields for the Evaluation object. This includes data types as well as conditions when a field is permitted or required. (See “Describe”)

Parameters: none

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": {

"ID": {

"type": "integer",

"readOnly": true

},

"Name": {

"type": "text",

"required": [

"create"

],

"update": true

},

"Number": {

"type": "text",

"readOnly": true

},

"Description": {

"type": "text",

"required": [

"create"

],

"update": true

},

"Type": {

"type": "select",

"options": [{

"value": "building2",

"label": "Title 2 Building"

}, {

"value": "row2",

"label": "Title 2 Right of Way"

}, {

"value": "building3",

"label": "Title 3 Building"

}

],

"required": [

"create"

]

},

"Standards": {

"type": "multiselect",

"options": [{

"value": 156,

"label": "2022 CBC 11A"

}, {

"value": 155,

"label": "2022 CBC 11B"

}, {

"value": 62,

"label": "1985 CBC"

}, {

"value": 33,

"label": "1961 ANSI A117.1"

}

],

"required": [

"create"

],

"update": true

},

"ChecklistGroup": {

"type": "select",

"options": [{

"value": 105,

"label": "ADA National Network",

"custom": false

}, {

"value": 3,

"label": "Airport",

"custom": false

}, {

"value": 103,

"label": "Collector",

"custom": false

}, {

"value": 49,

"label": "Court House",

"custom": false

}, {

"value": 61,

"label": "Picnic Area",

"custom": false

}, {

"value": 66,

"label": "Restaurant",

"custom": false

}, {

"value": 72,

"label": "Train Station",

"custom": false

}

],

"required": ["create"],

"update": true

},

"InspectionType": {

"type": "select",

"options": [{

"value": 2,

"description": "Accessibility Evaluation",

"isTas": false

}, {

"value": 1,

"description": "ADA Only",

"isTas": false

}, {

"value": 3,

"description": "CASp Evaluation",

"isTas": false

}, {

"value": 8,

"description": "Exterior Only",

"isTas": false

}, {

"value": 9,

"description": "Final Inspection",

"isTas": false

}, {

"value": 10,

"description": "TAS Inspection",

"isTas": true

}, {

"value": 23,

"description": "Title III",

"isTas": false

}

],

"update": true

},

"Jurisdiction": {

"type": "select",

"options": [],

"required": ["create"],

"update": true,

"permittedWhen": {

"Type": ["row2", "building2"]

}

},

"Customer": {

"type": "select",

"options": [{

"value": 1,

"label": "Customer 1"

}, {

"value": 2,

"label": "Customer 2"

}, {

"value": 3,

"label": "Customer 3"

}

],

"required": ["create"],

"update": true,

"permittedWhen": {

"Type": ["building3"]

}

},

"GeneralLocation": {

"type": "text",

"permittedWhen": {

"Type": ["row2"]

},

"update": true

},

"Address": {

"type": "composite",

"components": {

"Address": {

"type": "text",

"required": ["create"],

"update": true

},

"Address2": {

"type": "text",

"update": true

},

"Apartment": {

"type": "text",

"update": true

},

"City": {

"type": "text",

"required": ["create"],

"update": true

},

"State": {

"type": "text",

"required": ["create"],

"update": true

},

"Zip": {

"type": "integer",

"required": ["create"],

"update": true

},

"ZipFour": {

"type": "integer",

"update": true

},

"Note": {

"type": "text",

"update": true

},

"Latitude": {

"type": "number",

"readOnly": true

},

"Longitude": {

"type": "number",

"readOnly": true

}

},

"required": ["create"],

"update": true

},

"EndAddress": {

"type": "composite",

"components": {

"Address": {

"type": "text",

"required": ["create"],

"update": true

},

"Address2": {

"type": "text",

"update": true

},

"Apartment": {

"type": "text",

"update": true

},

"City": {

"type": "text",

"required": ["create"],

"update": true

},

"State": {

"type": "text",

"required": ["create"],

"update": true

},

"Zip": {

"type": "integer",

"required": ["create"],

"update": true

},

"ZipFour": {

"type": "integer",

"update": true

},

"Note": {

"type": "text",

"update": true

},

"Latitude": {

"type": "number",

"readOnly": true

},

"Longitude": {

"type": "number",

"readOnly": true

}

},

"permittedWhen": {

"Type": ["row2"]

},

"update": true

},

"Bounds": {

"type": "composite",

"components": {

"MaximumLatitude": {

"type": "number",

"update": true

},

"MaximumLongitude": {

"type": "number",

"update": true

},

"MinimumLatitude": {

"type": "number",

"update": true

},

"MinimumLongitude": {

"type": "number",

"update": true

}

},

"update": true

},

"FacilityName": {

"type": "text",

"null": true,

"permittedWhen": {

"InspectionType": ["isTas"]

},

"update": true

},

"TABSNumber": {

"type": "text",

"null": true,

"permittedWhen": {

"InspectionType": ["isTas"]

},

"update": true

},

"Stories": {

"type": "integer",

"null": true,

"permittedWhen": {

"Type": ["building2", "building3"]

},

"update": true

},

"Buildings": {

"type": "integer",

"null": true,

"permittedWhen": {

"Type": ["building2", "building3"]

},

"update": true

},

"BuildYear": {

"type": "integer",

"null": true,

"update": true,

"permittedWhen": {

"Type": ["building2", "building3"]

}

},

"BuildDate": {

"type": "date",

"null": true,

"update": true,

"permittedWhen": {

"Type": ["row2"]

}

}

}

}

### POST /v1/evaluation

Description: Create an evaluation.

Parameters: none

Request Body: Evaluation object in JSON format.

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample request body

{

"Name": "T3 Placetime",

"Number": "",

"Description": "Oh, we describin' now.",

"Type": "building3",

"Standards": [21, 23],

"ChecklistGroup": 64,

"InspectionType": 10,

"Customer": 90,

"Address": {

"Address": "123 Street",

"Address2": "",

"Apartment": "",

"City": "City",

"State": "State",

"Zip": 95670,

"ZipFour": 0,

"Note": "",

"Latitude": 38.0,

"Longitude": -121.0

},

"Bounds": {

"MaximumLatitude": 38.1,

"MaximumLongitude": -121.1,

"MinimumLatitude": 37.9,

"MinimumLongitude": -120.9

},

"FacilityName": "Facility Name",

"TABSNumber": "0000000",

"Stories": 37,

"Buildings": 1,

"BuildYear": null

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample successful response

{

"success": true,

"message": "Request successful",

"data": <new ID>

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample unsuccessful response

{

"success": false,

"message": "Validation errors.",

"error": {

"type": "APIException",

"code": 400,

"details": {

"Address": {

"InvalidFieldName": "Field 'InvalidFieldName' is not permitted."

}

}

}

}

**PATCH /v1/evaluation/<ID>**

Description: Update the specified Evaluation. Only fields that have changed must be specified. Fields that are not changing are generally optional.

Parameters: Evaluation ID <ID> (in URL)

Request Body: Evaluation object fragment, JSON formatted.

Sample request body:

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample request body

{

"Name": "T3 Placetime, but with a twist",

"Address": {

"Address": "1234 Street"

},

"Buildings": 2,

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample successful response

{

"success": true,

"message": "Request successful",

"data": <ID>

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample unsuccessful response

{

"success": false,

"message": "Validation errors.",

"error": {

"type": "APIException",

"code": 400,

"details": {

"Address": {

"InvalidFieldName": "Field 'InvalidFieldName' is not permitted."

}

}

}

}

### DELETE /v1/evaluation/<ID>

Description: Delete the specified Evaluation.

Parameters: Evaluation ID <ID> (in URL)

Request Body: none

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success":true,

"message":"Request successful"

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample unsuccessful response

{

"success": false,

"message": "Not found.",

"error": {

"type": "APIException",

"code": 404

}

}

# /v1/finding

### GET /v1/finding/list GET /v1/evaluation/<EID>/finding/list

Description: List ID, EvaluationID, and MasterFindingID of Finding objects, paginated (See “Pagination”). If accessed from within the /evaluation endpoint, findings will be specific to the Evaluation specified.

Parameters: Evaluation ID <EID> if accessed via /evaluation, optional pagination parameters

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": [

{

"ID": 1,

"EvaluationID": 1,

"MasterFindingID": 1

},

{

"ID": 2,

"EvaluationID": 1,

"MasterFindingID": 33

},

{

"ID": 3,

"EvaluationID": 99,

"MasterFindingID": 33

}

],

"meta": {

"start": 0,

"count": 3,

"total": 1147

}

}

### GET /v1/finding/<ID> GET /v1/evaluation/<EID>/finding/<ID>

Description: Fetch the current details of a specified finding. If accessed from within the /evaluation endpoint, additional checks will be performed to ensure the requested finding is a child of the specified Evaluation. The exact format may vary, as determined by specific evaluation options, and enabled subscriber features. (see the "/finding/describe" endpoint below for more details)

Parameters: Finding ID <ID>, Evaluation ID <EID> if via /evaluation

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": {

"ID": 1,

"EvaluationID": 1,

"MasterFindingID": 17388,

"AreaID": 3,

"Finding": "Oh, look. It bad.",

"Status": {

"value": 1,

"label": "Open"

},

"Priority": null

}

}

### GET /v1/finding/describe

Description: Fetch a description of available fields for the Finding object. This includes data types as well as conditions when a field is permitted or required. (See “Describe”)

Parameters: none

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": {

"ID": {

"type": "integer",

"system": true

},

"EvaluationID": {

"type": "integer",

"required": [

"create"

]

},

"MasterFindingID": {

"type": "integer",

"required": [

"create"

]

},

"AreaID": {

"type": "integer",

"update": true,

"null": true

},

"Finding": {

"type": "text",

"required": [

"create"

],

"update": true

},

"Status": {

"type": "select",

"options": [

{

"value": 1,

"label": "Open",

"custom": false

},

{

"value": 2,

"label": "Corrected",

"custom": false

},

{

"value": 3,

"label": "Compliant",

"custom": false

},

{

"value": 5,

"label": "Visually Compliant",

"custom": false

},

{

"value": 6,

"label": "Visually Non-Compliant",

"custom": false

},

{

"value": 7,

"label": "Missing - No Infrastructure",

"custom": false

},

{

"value": 8,

"label": "Missing - Infrastructure Present",

"custom": false

},

{

"value": 9,

"label": "Inventory",

"custom": false

},

{

"value": 10,

"label": "N/A",

"custom": false

}

],

"optionType": "integer",

"optionAdditional": {

"custom": "boolean"

},

"update": true

},

"Priority": {

"type": "select",

"options": [

{

"value": 1,

"label": "Should be completed immediately. (Includes; Findings that have little or no cost, were in violation of the codes at the time of construction, or pose an imminent safety threat)",

"priorityLevel": 1,

"custom": false

},

{

"value": 2,

"label": "Should be completed as soon as possible. (Includes; Findings that would remove barriers to the greatest number of people to your goods and services)",

"priorityLevel": 2,

"custom": false

},

{

"value": 4,

"label": "Should be completed as soon as possible, but there may be other items that will provide greater access to persons with disabilities. (Includes; Findings that have a high financial impact on the entity in relationship to the degree of access provided)",

"priorityLevel": 3,

"custom": false

},

{

"value": 3,

"label": "Should be completed as soon as possible due to being a technical violation, but may not result in providing greater access to persons with disabilities. (Includes; Findings that are technically violations but provide a moderate to low increase in accessibility compared to the financial impact on the entity)",

"priorityLevel": 4,

"custom": false

},

{

"value": 5,

"label": "Should be completed but not necessarily required. (Includes findings and or elements that may have been in compliance with previous editions of the codes and standards but have since changed. Generally, these items are easily modified to provide the greatest degree of access as well as compliance with the most current codes and standards)",

"priorityLevel": 5,

"custom": false

}

],

"optionType": "integer",

"optionAdditional": {

"priorityLevel": "integer",

"custom": "boolean"

},

"update": true,

"null": true

}

}

}

### POST /v1/finding POST /v1/evaluation/<EID>/finding

Description: Create an evaluation. If accessed via the /evaluation endpoint, the finding is attached to the Evaluation present in the URI, and EvaluationID specified in the body is ignored.

Parameters: Evaluation ID <EID> if via /evaluation

Request Body: Finding object in JSON format.

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample request body

{

"EvaluationID": 3

"MasterFindingID": 15186,

"Finding": "Finding found."

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample successful response

{

"success": true,

"message": "Request successful",

"data": <new ID>

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample unsuccessful response

{

"success": false,

"message": "Validation errors.",

"error": {

"type": "APIException",

"code": 400,

"details": {

"Address": {

"InvalidFieldName": "Field 'InvalidFieldName' is not permitted."

}

}

}

}

### PATCH /v1/finding/<ID> PATCH /v1/evaluation/<EID>/finding/<ID>

Description: Update the specified Evaluation. If accessed via the /evaluation endpoint, additional checks are performed to verify the Finding is a child of the specified Evaluation. Only fields that have changed must be specified. Fields that are not changing are generally optional.

Parameters: Finding ID <ID>, Evaluation ID <EID> if accessed via /evaluation

Request Body: Finding object fragment, JSON formatted.

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample request body

{

"Priority": 3

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample successful response

{

"success": true,

"message": "Request successful",

"data": <ID>

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample unsuccessful response

{

"success": false,

"message": "Validation errors.",

"error": {

"type": "APIException",

"code": 400,

"details": {

"Address": {

"InvalidFieldName": "Field 'InvalidFieldName' is not permitted."

}

}

}

}

### DELETE /v1/finding/<ID> DELETE /v1/evaluation/<EID>/finding/<ID>

Description: Delete the specified Evaluation. If accessed via the /evaluation endpoint, additional checks are performed to verify the Finding is a child of the specified Evaluation.

Parameters: Finding ID <ID>, Evaluation ID <EID> if accessed via /evaluation

Request Body: none

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success":true,

"message":"Request successful"

}

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample unsuccessful response

{

"success": false,

"message": "Not found.",

"error": {

"type": "APIException",

"code": 404

}

}

# /v1/masterfinding

### GET /v1/masterfinding/list

Description: retrieve a list of available Master Findings, paginated. (See “Pagination”.)

Parameters: none

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": [

{

"ID": 15123,

"Finding": "The walkway contains abrupt vertical edges and/or variations over 1/4 inch.\r\n\r\n1/4 inch is the maximum vertical rise. Changes in level between 1/4 inch and 1/2 inch must be beveled at 1:2 or less. \r\n\r\nChanges in level greater than 1/2 inch must be by way of a ramp.\r\n\r\n",

"Recommendation": "",

"Categories": [

"Accessible Routes",

"Exterior",

"Change in Elevation",

"Greater Than 1/4 inch",

"Walkway"

],

"Custom": false

},

{

"ID": 15124,

"Finding": "The route of travel does not provide the required minimum width.\r\n\r\nThe minimum clear width for sidewalks and walks is 48 inches.\r\n\r\nWhen, because of right-of-way restrictions, natural barriers or other existing conditions, the enforcing agency determines that compliance with the 48-inch clear sidewalk width would create an unreasonable hardship, the clear width may be reduced to 36 inches.",

"Recommendation": "",

"Categories": [

"Accessible Routes",

"Exterior",

"Width",

"48\" Minimum (CA) "

],

"Custom": false

},

{

"ID": 15125,

"Finding": "The route of travel location does not provide the required minimum width.\r\n\r\nThe minimum clear width for interior accessible routes serving an occupant load greater than 10 is 44 inches.",

"Recommendation": "",

"Categories": [

"Accessible Routes",

"Interior",

"Width",

"Greater Than 10 Occupants",

"44\" Minimum Width (CA)"

],

"Custom": false

},

{

"ID": 15126,

"Finding": "The route of travel does not provide a minimum width of 36 inches.\r\n\r\nThe clear width shall be permitted to be reduced to 32 inches minimum for a length of 24 inches maximum provided that reduced width segments are separated by segments that are 48 inches long minimum and 36 inches wide minimum.",

"Recommendation": "",

"Categories": [

"Accessible Routes",

"Interior",

"Width",

"36\" Minimum Width"

],

"Custom": false

},

{

"ID": 15130,

"Finding": "The food service aisle does not have a minimum 36 inches of clear width because it is obstructed by an element.",

"Recommendation": "",

"Categories": [

"Accessible Routes",

"Interior",

"Food Service Aisles",

"Obstructed"

],

"Custom": false

}

],

"meta": {

"start": 0,

"count": 5,

"total": 3982

}

}

# /v1/user

### GET /v1/user/list

Description: retrieve a list of available Users, paginated. (See “Pagination”.)

Parameters: none

C:\8e446e22b686cb5c71265c3f3b86f6b62454c2a205641dbf010a2cb8f73b14a2Sample response

{

"success": true,

"message": "Request successful",

"data": [

{

"Email": "test@test.com",

"FirstName": "Samuel",

"LastName": "Smeed"

},

{

"Email": "admin@bluedag.com",

"FirstName": "Charlie",

"LastName": "Chaplain"

},

{

"Email": "support@bluedag.com",

"FirstName": "BlueDAG",

"LastName": "Support"

}

],

"meta": {

"start": 0,

"count": 3,

"total": 3

}

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