

Radius Attribute Group (1.0.9)

License: [RUCKUS Cloud Privacy Policy](#)

Overview

The RADIUS Attribute Group Management API provides comprehensive management of RADIUS attribute groups for network authentication and authorization. RADIUS is a networking protocol that provides centralized authentication, authorization, and accounting management. This API enables organizations to create, modify, and delete RADIUS attribute groups that contain standardized network parameters used in wireless and wired network access control.

What This API Does

- **Create and manage RADIUS attribute groups:** Organize RADIUS attributes into logical groups for easier management
- **Assign attributes to groups:** Associate specific RADIUS attributes with groups. The complete list of available RADIUS attributes can be retrieved through the API endpoint `/radiusAttributes`.
- **Query available RADIUS attributes:** Browse and search through available RADIUS attributes by vendor, data type, and name
- **Manage external service assignments:** Link attribute groups to external services and systems for distributed authentication

Technical Details

- **Content Types:** Supports `application/json` and `application/vnd.ruckus.v1+json`
- **API Version:** v1.0.9
- **Data Formats:** JSON with HATEOAS links for resource navigation
- **Pagination:** Standard pagination with configurable page sizes

Common Use Cases

- **Wireless Network Access:** Configure RADIUS attributes for Wi-Fi authentication
- **VPN Access Control:** Manage user access policies through RADIUS attribute groups
- **Guest Network Management:** Create attribute groups for different user types

Authentication

All API calls require valid authentication via Bearer token in Authorization header. Include the JWT token in the `Authorization: Bearer <token>` header.

Error Handling

The API uses standard HTTP status codes with detailed error messages in the response body. All error responses include a `requestId` for tracking and debugging purposes.

Common Error Responses

All endpoints may return these common error responses:

- **400 Bad Request:** Invalid input data or validation errors
- **401 Unauthorized:** Missing or invalid authentication
- **403 Forbidden:** Insufficient permissions
- **404 Not Found:** Requested resource doesn't exist
- **409 Conflict:** Resource conflict (e.g., duplicate names)
- **422 Unprocessable Entity:** Business rule violations
- **500 Internal Server Error:** Unexpected server errors

RADIUS Attribute Group

Comprehensive management of RADIUS attribute groups including creation, modification, deletion, and querying. Provides full CRUD operations for organizing RADIUS attributes into logical groups for network authentication and authorization.

Get RADIUS Attribute Groups

Gets the complete list of RADIUS attribute group in a paged format.

QUERY PARAMETERS

size	any Page size
page	any The page to retrieve (starts at zero).
sort	any The field name to sort, comma separated from the sort order (asc or desc).

Responses

> 200

Radius attribute groups paged.

GET /radiusAttributeGroups

Response samples

200

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  "attributeAssignments": [
    + { ... }
  ],
  "attributeCount": 0,
  "externalAssignmentsCount": 0,
  "externalServiceAssignments": [
    + { ... }
  ],
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Create RADIUS Attribute Group

Creates a new RADIUS attribute group with the specified name, description, and attribute assignments. The group will be associated with the authenticated tenant and can be used for network authentication and authorization policies.

REQUEST BODY SCHEMA: application/json required

id	string <uuid> The unique identifier for this attribute group.
name required	string The name for this attribute group.
description	string The description for this attribute group.
attributeAssignments > required	Array of objects (Attribute Assignment) The RADIUS attributes that are assigned to this group.
attributeCount	integer <int32> The number of RADIUS attribute assignments within this attribute group. Allows sorting and filtering.
externalAssignmentsCount	integer <int32> The total count of external service assignments for this attribute group across all services. Allows sorting and filtering.
externalServiceAssignments >	Array of objects (External Assignment Service Group) The list of external service assignments grouped by service name, showing which services have assigned this attribute group and their associated external assignment identifiers.
_links >	object (Links) Hypermedia links for HATEOAS navigation, including self reference and related resources.

Responses

> 201

RADIUS attribute group created

> 409

Invalid RADIUS attribute group details provided.

POST /radiusAttributeGroups

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  "attributeAssignments": [
    + { ... }
  ],
  "attributeCount": 0,
```

```
    "externalAssignmentsCount": 0,
  - "externalServiceAssignments": [
    + { ... }
  ],
  - "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Response samples

201

409

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  - "attributeAssignments": [
    + { ... }
  ],
  "attributeCount": 0,
  "externalAssignmentsCount": 0,
  - "externalServiceAssignments": [
    + { ... }
  ],
  - "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Get RADIUS Attribute Groups

Gets the list of RADIUS attribute groups using the specified query.

QUERY PARAMETERS

→ **excludeContent** boolean
Default: **false**

REQUEST BODY SCHEMA: application/json **required**

→ **sortField** string
The field name to use for sorting the results. Valid field names depend on the resource being queried. For RADIUS attributes, valid values include: id, name, vendorName, dataType, showOnDefault. For RADIUS attribute groups, valid values include: id, name, description, attributeCount, externalAssignmentsCount. For attribute group assignments, valid values include: id, externalAssignmentIdentifier, serviceName. The field name must match exactly one of the supported sortable fields for the resource type.

→ **sortOrder** string

	Enum: <code>"ASC"</code> <code>"DESC"</code> The sort order of the applied query.
page	integer <int32> <code>>= 0</code> The page number to return, indexed starting with 0.
pageSize	integer <int32> <code>[1 .. 2000]</code> The number of items requested on the page.
filters >	object A map of filter criteria to apply to the query results. Each key represents a field name to filter on, and the value is the filter condition. Supported filter formats depend on the resource type. Examples: <code>{"name": "John Doe"}</code> for exact match on attribute names, <code>{"vendorName": "Cisco"}</code> for vendor filtering, <code>{"attributeCount": {"gte": 5}}</code> for range queries. Filter keys must match valid field names for the resource being queried.

Responses

> 200

RADIUS attribute groups

> 400

Invalid query data supplied.

POST /radiusAttributeGroups/query

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

```
{
  "sortField": "name",
  "sortOrder": "ASC",
  "page": 0,
  "pageSize": 1,
  "filters": {
    "name": "Sally Smith",
    "vendorName": "Cisco"
  }
}
```

Response samples

200

400

Content type
application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
```

```
    "totalCount": 0,
    "page": 0,
    "pageSize": 1,
    - "data": [
      null
    ]
  }
}
```

Get RADIUS Attribute Group

Gets the requested RADIUS attribute group by the id.

PATH PARAMETERS

→ groupId	string <uuid>
required	RADIUS attribute group id

Responses

> 200

RADIUS attribute group

> 400

Invalid id supplied

> 404

RADIUS attribute group not found

GET /radiusAttributeGroups/{groupId}

Response samples

200

400

404

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
  - "attributeAssignments": [
    + { ... }
  ],
  "attributeCount": 0,
  "externalAssignmentsCount": 0,
  - "externalServiceAssignments": [
    + { ... }
  ],
  - "_links": {
    + "property1": { ... },
  }
```

```
+ "property2": { ... }  
}  
}
```

Delete RADIUS Attribute Group

Deletes the requested RADIUS attribute group.

PATH PARAMETERS

→ groupId required	string <uuid> Radius Attribute Group id
-----------------------	--

Responses

> 200

RADIUS attribute group deleted.

> 204

RADIUS attribute group deleted

> 404

RADIUS attribute group not found

> 409

The requested RADIUS attribute group is still in use by another service.

DELETE /radiusAttributeGroups/{groupId} ▼

Response samples

200

204

404

409

Content type

application/vnd.ruckus.v1+json ▼

```
{ }
```

Copy

Update RADIUS Attribute Group

Updates the properties of an existing RADIUS attribute group using PATCH semantics. Allows partial updates to the group name, description, and attribute assignments. All changes are validated before applying to ensure data integrity.

PATH PARAMETERS

→ groupId required	string <uuid> RADIUS attribute group id
-----------------------	--

REQUEST BODY SCHEMA: application/json ▼

required

name	string <code>[0 .. 255] characters</code> The name for this attribute group. Maximum length is 255 characters.
description	string <code>[0 .. 1000] characters</code> The description for this attribute group. Maximum length is 1000 characters.
attributeAssignments >	Array of objects (Attribute Assignment) <code>[0 .. 1000] items</code> The RADIUS attributes that are assigned to this group. Must contain at least one attribute assignment. Maximum of 1000 assignments allowed.

Responses

> 200

RADIUS attribute group

> 400

Invalid id or content supplied

> 404

RADIUS attribute group not found

PATCH /radiusAttributeGroups/{groupId}

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "name": "string",
  "description": "string",
  "attributeAssignments": [
    + { ... }
  ]
}
```

Response samples

200

400

404

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "name": "string",
  "description": "string",
```



```
- "attributeAssignments": [  
  + { ... }  
],  
"attributeCount": 0,  
"externalAssignmentsCount": 0,  
- "externalServiceAssignments": [  
  + { ... }  
],  
- "_links": {  
  + "property1": { ... },  
  + "property2": { ... }  
}  
}
```

RADIUS Attribute Group Assignments

Manages the external service assignments to a specified Attribute Group. Enables linking RADIUS attribute groups to external services and systems for distributed authentication and authorization across multiple platforms.

Get External Assignments

Gets the external assignments for the specified Radius attribute group.

PATH PARAMETERS

→ groupId required	string <uuid> RADIUS Attribute Group id
------------------------------	--

QUERY PARAMETERS

→ size	any Page size
→ page	any The page to retrieve (starts at zero).
→ sort	any The field name to sort, comma separated from the sort order (asc or desc).

Responses

> 200

RADIUS Attribute Group Assignments

> 404

RADIUS Attribute Group not found

GET /radiusAttributeGroups/{groupId}/assignments

Response samples

200

404

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "externalAssignmentIdentifier": "assignment001",
  "serviceName": "wirelesscontroller",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Create External Assignment

Creates a new external service assignment linking the specified RADIUS attribute group to an external service. This enables the external service to reference and use the attribute group for authentication and authorization purposes.

PATH PARAMETERS

→ **groupId** required string <uuid>
RADIUS Attribute Group id

REQUEST BODY SCHEMA: application/json required

→ id	string <uuid> The unique identifier for this external assignment of an attribute group.
→ externalAssignmentIdentifier required	string The identifier for this external assignment and must be unique when combined with the service name. This identifier is used by the external service to reference the attribute group assignment. Format: alphanumeric string with optional hyphens and underscores, maximum length of 255 characters. Examples: 'assignment001', 'nas_controller_1', 'vpn_gateway_west'.
→ serviceName required	string The name of the service that is using the attribute group. This identifies the target external system or application (e.g., 'wireless controller', 'VPN gateway', 'network access server', 'policy engine', 'authentication server'). Format: alphanumeric string with optional hyphens and underscores, maximum length of 255 characters. Examples: 'wireless controller', 'VPN gateway', 'network access server'.
→ _links >	object (Links) Hypermedia links for HATEOAS navigation, including self reference and related resources.

Responses

> **201**

Assignment created

> **404**

Radius Attribute not found.

> **409**

Invalid assignment details provided.

POST /radiusAttributeGroups/{groupId}/assignments

Request samples

Payload

Content type
application/json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "externalAssignmentIdentifier": "assignment001",
  "serviceName": "wirelesscontroller",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Response samples

201

404

409

Content type
application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "externalAssignmentIdentifier": "assignment001",
  "serviceName": "wirelesscontroller",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Get External Assignment

Gets the external assignment for the specified RADIUS attribute group.

PATH PARAMETERS

groupId	string <uuid> RADIUS Attribute Group id
assignmentId	string <uuid> RADIUS Attribute Group Assignment id

Responses

> 200

RADIUS Attribute Group Assignment

> 400

Invalid id supplied

> 404

RADIUS Attribute Group not found

GET

/radiusAttributeGroups/{groupId}/assignments/{assignmentId}



Response samples

200

400

404

Content type

application/vnd.ruckus.v1+json



Copy

Expand all

Collapse all

```
{
  "id": "497f6eca-6276-4993-bfeb-53cbbbba6f08",
  "externalAssignmentIdentifier": "assignment001",
  "serviceName": "wirelesscontroller",
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Delete External Assignment

Delete the requested external assignment for this RADIUS attribute group.

PATH PARAMETERS

groupId required	string <uuid> RADIUS Attribute Group id
assignmentId required	string <uuid> RADIUS Attribute Group Assignment id

Responses

> 200

External Assignment to be deleted.

> 204

External Assignment to be deleted.

> 404

Radius Attribute not found.

DELETE /radiusAttributeGroups/{groupId}/assignments/{assignmentId} ▾

Response samples

200

204

404

Content type

application/vnd.ruckus.v1+json ▾

Copy

{ }

RADIUS Attribute

Browse and query the comprehensive catalog of supported RADIUS attributes. Provides read only access to standardized RADIUS parameters including vendor specific attributes, data types, and metadata for network authentication and authorization.

Get RADIUS Attributes

Gets the list of RADIUS attributes using the specified query. Paging is indexed starting at one.

QUERY PARAMETERS

→ excludeContent boolean
Default:

REQUEST BODY SCHEMA: application/json ▾
required

→ sortField	string The field name to use for sorting the results. Valid field names depend on the resource being queried. For RADIUS attributes, valid values include: id, name, vendorName, dataType, showOnDefault. For RADIUS attribute groups, valid values include: id, name, description, attributeCount, externalAssignmentsCount. For attribute group assignments, valid values include: id, externalAssignmentIdentifier, serviceName. The field name must match exactly one of the supported sortable fields for the resource type.
→ sortOrder	string Enum: ASC DESC The sort order of the applied query.
→ page	integer <int32> >= 0 The page number to return, indexed starting with 0.
→ pageSize	integer <int32> [1 .. 2000] The number of items requested on the page.
→ filters >	object A map of filter criteria to apply to the query results. Each key represents a field name to filter on, and the value is the filter condition. Supported filter formats depend on the resource type. Examples: {"name": "John Doe"} for exact match on attribute names, {"vendorName": "Cisco"} for vendor filtering, {"attributeCount": {"gte": 5}} for range queries. Filter keys must match valid field names for the resource being queried.

Responses

> 200

List RADIUS attributes in a paged format.

> 400

Invalid id supplied

POST /radiusAttributes/query

Request samples

Payload

Content type

application/json

Copy Expand all Collapse all

```
{
  "sortField": "name",
  "sortOrder": "ASC",
  "page": 0,
  "pageSize": 1,
  "filters": {
    "name": "Sally Smith",
    "vendorName": "Cisco"
  }
}
```

Response samples

200

400

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "totalCount": 0,
  "page": 0,
  "pageSize": 1,
  "data": [
    null
  ]
}
```

Get RADIUS Attributes

Gets the list of RADIUS attributes in a paged format.

QUERY PARAMETERS

size any

	Page size
page	any The page to retrieve (starts at zero).
sort	any The field name to sort, comma separated from the sort order (asc or desc).

Responses

> 200

RADIUS Attributes in a paged format.

GET /radiusAttributes

Response samples

200

Content type
application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": 0,
  "name": "string",
  "vendorName": "string",
  "dataType": "ABINARY",
  "showOnDefault": true,
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Get RADIUS Attribute

Gets the specific RADIUS attribute requested.

PATH PARAMETERS

id required	integer <int64> Attribute unique identifier.
----------------	---

Responses

> 200

RADIUS Attribute

> 400

Invalid id supplied.

> 404

Radius Attribute not found.

GET /radiusAttributes/{id}

Response samples

200

400

404

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  "id": 0,
  "name": "string",
  "vendorName": "string",
  "dataType": "ABINARY",
  "showOnDefault": true,
  "_links": {
    + "property1": { ... },
    + "property2": { ... }
  }
}
```

Get RADIUS Attribute Vendors

Gets the list of vendors that are supported in the RADIUS attributes.

Responses

> 200

RADIUS Attribute Vendors.

GET /radiusAttributes/vendors

Response samples

200

Content type

application/vnd.ruckus.v1+json

Copy Expand all Collapse all

```
{
  - "supportedVendors": [
    "string"
  ]
}
```


