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# System CRUD

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| **Title** | **Retrieve System by UUID** | |
| **Description** | Retrieves a specific System using its unique systemID as identifier. | |
| **URL** | /model\_repository/v1/asset\_management/system/{systemID}/id/ | |
| **Method** | GET | |
| **URL Params** | {systemID}  **Example:** /model\_repository/v1/asset\_management/system/a259ec0c-2b90-4200-8de2-a8b37ce81bed/id/ | |
| **Data Params** | none | |
| **Validations** | The element {systemID} is required and must adhere to the UUID format. It must correspond to a System that has already been persisted to the database. | |
| **Success Response** | **Code: 200 [OK] Content:**  {  "systemID": "UUID",  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ],  "creationDate": "YYYY-MM-DDThh:mm:ss.sss",  "lastModifiedDate": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [1]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities from the database with ID: '…'.",  "messageKey": "SYSTEM\_NOT\_FOUND\_ID",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {      "httpCode": 400,      "httpText": "400 BAD\_REQUEST",      "message": "The identifier must adhere to the UUID format.",      "messageKey": "IDENTIFIER\_NOT\_UUID",      "href": null,      "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [3]** | {      "httpCode": 400,      "httpText": "400 BAD\_REQUEST",      "message": "An identifier is required to perform this operation.",      "messageKey": "IDENTIFIER\_MISSING",      "href": null,      "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [4]** | {      "httpCode": 500,      "httpText": "500 INTERNAL\_SERVER\_ERROR",      "message": "Internal Server Error.",      "messageKey": "INTERNAL\_SERVER\_ERROR",      "href": null,      "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/system/1de4d55b-7ae9-4b2c-850c-5d3e6fcf59e6/id/",  "method": "GET",  "timeout": 0,  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request GET 'http://localhost:8087/model\_repository/v1/asset\_management/system/1de4d55b-7ae9-4b2c-850c-5d3e6fcf59e6/id/' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
| **systemID** | System-defined unique identifier of the System. |
| **name** | A human readable name for the System. |
| **description** | Textual description for the System. |
| **location** | Location of the System, both geographical and virtual. |
| **location.geoLocation** | Specifies a physical location (a pair of coordinates). |
| **location.geoLocation.latitude** | The latitude part of the location coordinates. |
| **location.geoLocation.longtitude** | The longitude part of the location coordinates. |
| **location.virtualLocation** | Specifies a virtual location (it could be the ID of a resource or subsystem). |
| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |

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| **Title** | **Retrieve System by Name** | |
| **Description** | Retrieves a specific System using its unique name as identifier. | |
| **URL** | /model\_repository/v1/asset\_management/system/{name}/id/ | |
| **Method** | GET | |
| **URL Params** | {name}  **Example:** /model\_repository/v1/asset\_management/system/Phygital Centrifuge 4.0/name/ | |
| **Data Params** | none | |
| **Validations** | The element {name} is required. It must correspond to a System that has already been persisted to the database. | |
| **Success Response** | **Code: 200 [OK] Content:**  {  "systemID": "UUID",  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ],  "creationDate": "YYYY-MM-DDThh:mm:ss.sss",  "lastModifiedDate": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [1]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities from the database with Name: '…'.",  "messageKey": "SYSTEM\_NOT\_FOUND\_NAME",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {      "httpCode": 400,      "httpText": "400 BAD\_REQUEST",      "message": "An identifier is required to perform this operation.",      "messageKey": "IDENTIFIER\_MISSING",      "href": null,      "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [3]** | {      "httpCode": 500,      "httpText": "500 INTERNAL\_SERVER\_ERROR",      "message": "Internal Server Error.",      "messageKey": "ERROR\_ON\_RETRIEVAL\_NAME",      "href": null,      "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/  system/Phygital Centrifuge 4.0/name/",  "method": "GET",  "timeout": 0,  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request GET 'http://localhost:8087/model\_repository/v1/asset\_management/system/Phygital Centrifuge 4.0/name/' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
| **systemID** | System-defined unique identifier of the System. |
| **name** | A human readable name for the System. |
| **description** | Textual description for the System. |
| **location** | Location of the System, both geographical and virtual. |
| **location.geoLocation** | Specifies a physical location (a pair of coordinates). |
| **location.geoLocation.latitude** | The latitude part of the location coordinates. |
| **location.geoLocation.longtitude** | The longitude part of the location coordinates. |
| **location.virtualLocation** | Specifies a virtual location (it could be the ID of a resource or subsystem). |
| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |

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| **Title** | **Retrieve all Systems** | |
| **Description** | Retrieves all System entities that have ever been persisted, paginated. | |
| **URL** | /model\_repository/v1/asset\_management/system/ | |
| **Method** | GET | |
| **URL Params** | {page} The page to retrieve. Default is 0. Starts from 0.  {size} The number of Systems included in a page. Default is 10.  **Example:** /model\_repository/v1/asset\_management/system/?page=0&size=8 | |
| **Data Params** | None | |
| **Response Headers** | application/json | |
| **Success Response** | **Code: 200 [OK] Content:**  [  {  "systemID": "UUID",  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ],  "creationDate": "YYYY-MM-DDThh:mm:ss.sss",  "lastModifiedDate": "YYYY-MM-DDThh:mm:ss.sss"  }  ] | |
| **Failure Response [1]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities because page limit has been  exceeded. Total Pages: …..",  "messageKey": "EXCEEDED\_PAGE\_LIMIT",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities from the database.",  "messageKey": "NO\_SYSTEMS\_FOUND",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [3]** | {  "httpCode": 500,  "httpText": "500 INTERNAL\_SERVER\_ERROR",  "message": "Internal Server Error.",  "messageKey": "ERROR\_ON\_RETRIEVAL\_MANY",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/system/?page=0&size=8",  "method": "GET",  "timeout": 0,  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request GET 'http://localhost:8087/model\_repository/v1/asset\_management/system/?page=0&size=8' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
| **systemID** | System-defined unique identifier of the System. |
| **name** | A human readable name for the System. |
| **description** | Textual description for the System. |
| **location** | Location of the System, both geographical and virtual. |
| **location.geoLocation** | Specifies a physical location (a pair of coordinates). |
| **location.geoLocation.latitude** | The latitude part of the location coordinates. |
| **location.geoLocation.longtitude** | The longitude part of the location coordinates. |
| **location.virtualLocation** | Specifies a virtual location (it could be the ID of a resource or subsystem). |
| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |

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| **Title** | **Create new System** | |
| **Description** | Persists a new System. | |
| **URL** | /model\_repository/v1/asset\_management/system/ | |
| **Method** | POST | |
| **URL Params** | None | |
| **Data Params** | {  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ]  } | |
| **Validations** | The element {name} is required. It cannot already be used by another System.  The element {description} is required.  If a location is present, either a {geoLocation} (both coordinates) or a {virtualLocation} must be defined. | |
| **Response Headers** | application/json | |
| **Success Response** | **Code: 201 [CREATED] Content:**  {  "systemID": "UUID",  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ],  "creationDate": "YYYY-MM-DDThh:mm:ss.sss",  "lastModifiedDate": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [1]** | {  "httpCode": 409,  "httpText": "409 CONFLICT",  "message": "There is already another System with the same Name and ID: '……'.",  "messageKey": "DUPLICATE\_SYSTEM",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {      "httpCode": 400,      "httpText": "400 BAD\_REQUEST",      "message": "A System may be provided either with a pair of coordinates  or a virtual location.",      "messageKey": "INVALID\_LOCATION\_STRUCTURE",      "href": null,      "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [3]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "Request contains one or more mandatory fields that are null.  Operation aborted. Field(s): [………]",  "messageKey": "MANDATORY\_FIELDS\_MISSING",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [4]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "errorMessage": "Required request body is missing: ... ",  "errorMessageKey": "HTTP\_MESSAGE\_NOT\_READABLE",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [5]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "errorMessage": "JSON parse error: ... ",  "errorMessageKey": "HTTP\_MESSAGE\_NOT\_READABLE",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [6]** | {  "httpCode": 500,  "httpText": "500 INTERNAL\_SERVER\_ERROR",  "errorMessage": "Internal Server Error.",  "errorMessageKey": "ERROR\_ON\_CREATION",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/system/",  "method": "POST",  "timeout": 0,  "headers": {  "Content-Type": "application/json"  },  "data": JSON.stringify({  "name": "Phygital Centrifuge 4.0",  "description": "A cyberphysical system revolving  around an automatic disc centrifuge.",  "location": {  "geoLocation": {  "latitude": 52.15425526446103,  "longitude": 9.95084586033136  },  "virtualLocation": ""  },  "organization": "ACME Explosives",  "additionalInformation": [  {  "manufacturer": "SpinningTop Inc.",  "latest\_service": "2022-09-01T12:00:00.020"  }  ]  }),  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request POST 'http://localhost:8087/model\_repository/v1/asset\_management/system/' \  --header 'Content-Type: application/json' \  --data-raw '{  "name": "Phygital Centrifuge 4.0",  "description": "A cyberphysical system revolving  around an automatic disc centrifuge.",  "location": {  "geoLocation": {  "latitude": 52.15425526446103,  "longitude": 9.95084586033136  },  "virtualLocation": ""  },  "organization": "ACME Explosives",  "additionalInformation": [  {  "manufacturer": "SpinningTop Inc.",  "latest\_service": "2022-09-01T12:00:00.020"  }  ]  }' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
| **systemID** | System-defined unique identifier of the System. |
| **name** | A human readable name for the System. |
| **description** | Textual description for the System. |
| **location** | Location of the System, both geographical and virtual. |
| **location.geoLocation** | Specifies a physical location (a pair of coordinates). |
| **location.geoLocation.latitude** | The latitude part of the location coordinates. |
| **location.geoLocation.longtitude** | The longitude part of the location coordinates. |
| **location.virtualLocation** | Specifies a virtual location (it could be the ID of a resource or subsystem). |
| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |

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| **Title** | **Update System by UUID** | |
| **Description** | Updates with changes a specific System using its unique systemID as identifier. | |
| **URL** | /model\_repository/v1/asset\_management/system/{systemID}/id/ | |
| **Method** | PUT | |
| **URL Params** | {systemID}  **Example:** /model\_repository/v1/asset\_management/system/a259ec0c-2b90-4200-8de2-a8b37ce81bed/id/ | |
| **Data Params** | {  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ]  } | |
| **Validations** | The element {systemID} is required and must adhere to the UUID format. It must correspond to a System that has already been persisted to the database.  The element {name} cannot be updated as it is considered an identifier. Providing a value will not produce an error but will be ignored.  The element {description} is required.  If a location is present, either a {geoLocation} (pair of coordinates) or a {virtualLocation} must be defined. | |
| **Response Headers** | application/json | |
| **Success Response** | **Code: 200 [OK] Content:**  {  "systemID": "UUID",  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ],  "creationDate": "YYYY-MM-DDThh:mm:ss.sss",  "lastModifiedDate": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [1]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities from the database with ID: '…'.",  "messageKey": "SYSTEM\_NOT\_FOUND\_ID",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {  "httpCode": 409,  "httpText": "409 CONFLICT",  "message": "There is already another System with the same Name and ID: '…..'.",  "messageKey": "DUPLICATE\_SYSTEM",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [3]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "An identifier is required to perform this operation.",  "messageKey": "IDENTIFIER\_MISSING",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [4]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "The identifier must adhere to the UUID format.",  "messageKey": "IDENTIFIER\_NOT\_UUID",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [5]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "Request contains one or more mandatory fields that  are null. Operation aborted. Field(s): [name, description]",  "messageKey": "MANDATORY\_FIELDS\_MISSING",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [6]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "A System may be provided either with a pair of coordinates  or a virtual location.",  "messageKey": "INVALID\_LOCATION\_STRUCTURE",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [7]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "errorMessage": "Required request body is missing: ... ",  "errorMessageKey": "HTTP\_MESSAGE\_NOT\_READABLE",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [8]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "errorMessage": "JSON parse error: ... ",  "errorMessageKey": "HTTP\_MESSAGE\_NOT\_READABLE",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [9]** | {  "httpCode": 500,  "httpText": "500 INTERNAL\_SERVER\_ERROR",  "errorMessage": "Internal Server Error.",  "errorMessageKey": "ERROR\_ON\_UPDATE",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/system/1de4d55b-7ae9-4b2c-850c-5d3e6fcf59e6/id/",  "method": "PUT",  "timeout": 0,  "headers": {  "Content-Type": "application/json"  },  "data": JSON.stringify({  "name": "Phygital Centrifuge 4.0",  "description": "A cyberphysical system revolving around an automatic disc centrifuge.",  "location": {  "geoLocation": {  "latitude": 52.15425526446103,  "longitude": 9.95084586033136  },  "virtualLocation": ""  },  "organization": "ACME Explosives",  "additionalInformation": [  {  "manufacturer": "SpinningTop Inc.",  "latest\_service": "2022-09-01T12:00:00.020"  }  ]  }),  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request PUT 'http://localhost:8087/model\_repository/v1/asset\_management/system/1de4d55b-7ae9-4b2c-850c-5d3e6fcf59e6/id/' \  --header 'Content-Type: application/json' \  --data-raw '{  "name": "Phygital Centrifuge 4.0",  "description": "A cyberphysical system revolving around an automatic disc centrifuge.",  "location": {  "geoLocation": {  "latitude": 52.15425526446103,  "longitude": 9.95084586033136  },  "virtualLocation": ""  },  "organization": "ACME Explosives",  "additionalInformation": [  {  "manufacturer": "SpinningTop Inc.",  "latest\_service": "2022-09-01T12:00:00.020"  }  ]  }' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
| **systemID** | System-defined unique identifier of the System. |
| **name** | A human readable name for the System. |
| **description** | Textual description for the System. |
| **location** | Location of the System, both geographical and virtual. |
| **location.geoLocation** | Specifies a physical location (a pair of coordinates). |
| **location.geoLocation.latitude** | The latitude part of the location coordinates. |
| **location.geoLocation.longtitude** | The longitude part of the location coordinates. |
| **location.virtualLocation** | Specifies a virtual location (it could be the ID of a resource or subsystem). |
| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |

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| **Title** | **Delete System by UUID** | |
| **Description** | Deletes a specific System using its unique systemID as identifier. | |
| **URL** | /model\_repository/v1/asset\_management/system/{systemID}/id/ | |
| **Method** | DELETE | |
| **URL Params** | {systemID}  **Example:** /model\_repository/v1/asset\_management/system/a259ec0c-2b90-4200-8de2-a8b37ce81bed/id/ | |
| **Data Params** | none | |
| **Validations** | The element {systemID} is required and must adhere to the UUID format. It must correspond to a System that has already been persisted to the database. | |
| **Success Response** | **Code: 200 [OK] Content:**  {  "systemID": "UUID",  "name": "string",  "description": "string",  "location": {  "geoLocation": {  "latitude": "string",  "longitude": "string"  },  "virtualLocation": "string"  },  "organization": "string",  "additionalInformation": [  Any\_data\_structure  ],  "creationDate": "YYYY-MM-DDThh:mm:ss.sss",  "lastModifiedDate": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [1]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities from the database with ID: '……'.",  "messageKey": "SYSTEM\_NOT\_FOUND\_ID",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "The identifier must adhere to the UUID format.",  "messageKey": "IDENTIFIER\_NOT\_UUID",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [3]** | {  "httpCode": 400,  "httpText": "400 BAD\_REQUEST",  "message": "An identifier is required to perform this operation.",  "messageKey": "IDENTIFIER\_MISSING",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [4]** | {  "httpCode": 500,  "httpText": "500 INTERNAL\_SERVER\_ERROR",  "message": "Internal Server Error.",  "messageKey": "ERROR\_ON\_DELETION\_ID",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/system/1de4d55b- 7ae9-4b2c-850c-5d3e6fcf59e6/id/",  "method": "DELETE",  "timeout": 0,  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request DELETE 'http://localhost:8087/model\_repository/v1/asset\_management/system/1de4d55b-7ae9-4b2c-850c-5d3e6fcf59e6/id/' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
| **systemID** | System-defined unique identifier of the System. |
| **name** | A human readable name for the System. |
| **description** | Textual description for the System. |
| **location** | Location of the System, both geographical and virtual. |
| **location.geoLocation** | Specifies a physical location (a pair of coordinates). |
| **location.geoLocation.latitude** | The latitude part of the location coordinates. |
| **location.geoLocation.longtitude** | The longitude part of the location coordinates. |
| **location.virtualLocation** | Specifies a virtual location (it could be the ID of a resource or subsystem). |
| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |

|  |  |  |
| --- | --- | --- |
| **Title** | **Delete all Systems** | |
| **Description** | Deletes all System entities that have ever been persisted, without specific filters. | |
| **URL** | /model\_repository/v1/asset\_management/system/ | |
| **Method** | DELETE | |
| **URL Params** | None | |
| **Data Params** | None | |
| **Response Headers** | application/json | |
| **Success Response** | **Code: 204 [NO\_CONTENT] Content:** - | |
| **Failure Response [1]** | {  "httpCode": 404,  "httpText": "404 NOT\_FOUND",  "message": "Failed to retrieve any System entities from the database.",  "messageKey": "NO\_SYSTEMS\_FOUND",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Failure Response [2]** | {  "httpCode": 500,  "httpText": "500 INTERNAL\_SERVER\_ERROR",  "message": "Internal Server Error.",  "messageKey": "ERROR\_ON\_DELETION\_MANY",  "href": null,  "timestamp": "YYYY-MM-DDThh:mm:ss.sss"  } | |
| **Sample Call [1]** | var settings = {  "url": "http://localhost:8087/model\_repository/v1/asset\_management/system/",  "method": "DELETE",  "timeout": 0,  };  $.ajax(settings).done(function (response) {  console.log(response);  }); | |
| **Sample Call [2]** | curl --location --request DELETE 'http://localhost:8087/model\_repository/v1/asset\_management/system/' | |
| **Glossary** | **System** | An Internet-Of-Things System monitored for a variety of purposes. |
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| **organization** | Organization affiliated to the System. |
| **additionalInformation** | Additional notes on the System of any kind. |
| **createdDate** | Creation timestamp of the persisted entity. |
| **lastModifiedDate** | Latest update timestamp of the persisted entity. |