



Sage 300 People

API Information

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1. Getting Started

1.1 Overview

The Sage 300 People API will allow customers to integrate with 3rd party applications to allow them to input data into the Sage 300 People system. The data is then still validated using the applications business logic. The Sage 300 People API is a Self-Hosted API service and it is the customer's responsibility to ensure that traffic sent to and from the API is encrypted using a valid SSL certificate provided to them by a trusted authority.

1.2 Installing the Sage 300 People API

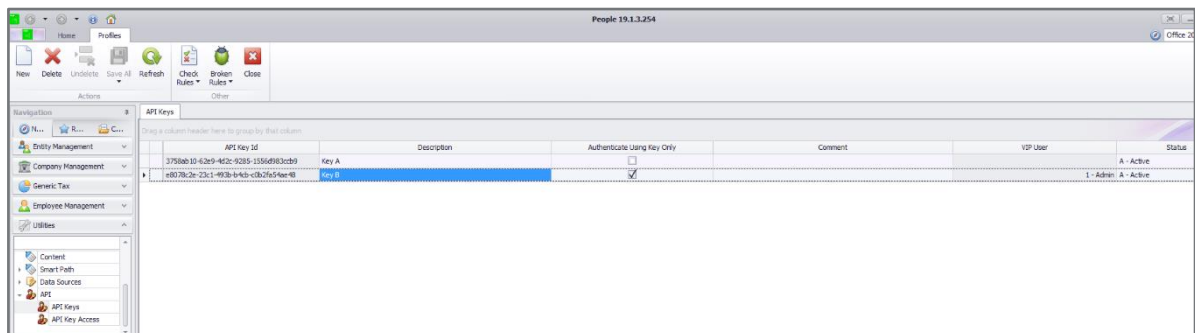
The Sage 300 People API uses the same API service as Web Self Service or can be deployed as a stand-alone service by means of the Public API. Installation of this is covered in the Installations Instructions guide and can be provided.

1.3 Creating an API Key in Sage 300 People

An API Key is needed for the authentication protocol to pass successfully when integrating with the Sage 300 People application's API service. The API key can be configured using two Authentication methods:

- Default Authentication which requires an API Key together with a username and password
- Authentication using only an API Key.

A VIP User is required for the API Key, this account can be setup under the Sage 300 People Security section, the security groups granted to this account will apply to the interactions that the API Key can perform.



To successfully utilize the API the following steps are needed:

1. Get a Token
2. Create a Header
3. Add/Delete a Line
4. Validate Line/Header
5. Process Header

Note:

To utilize the GL API requests the description of the API Key must contain the following value:

GL_API_AUTH

953c26b1-1cfc-4568-86e9-eaafb08d8af GL_API_AUTH <-- needs to in to be authenticated

2. Authentication

2.1 Generating tokens to use with API requests

2.1.1 Request

POST <https://HostName:9443/token> HTTP/1.1

Content-Type: application/x-www-form-urlencoded

Accept: application/json, text/plain, */*

Accept-Encoding: gzip, deflate

Content-Length: 83

grant_type=password&scope=apiKey={{APIKEY}}

Use this Content if "Authenticate Using Key Only" has been Enabled

grant_type=password&username=local&password=b&scope=2%20apiKey={{APIKEY}}

Use this Content if "Authenticate Using Key Only" has NOT been Enabled.

2.1.2 Response

HTTP/1.1 200 OK

Cache-Control: no-cache

Pragma: no-cache

Content-Length: 787

Content-Type: application/json; charset=UTF-8

Expires: -1

Server: Microsoft-HTTPAPI/2.0

Set-Cookie: PeopleEssUser={{Cookie_Value}}; path=/;

Date: Mon, 01 Jan 2000 00:00:00 GMT

```
{ "access_token": "AQAAANCMnd8BFdERjHoAwE_Cl-sBAAAA6YtuEKFOzkWMZDWkgjuc-
QAAAAACAAAAAADZgAAwAAAAABAAAACjrKOMuaU32Kq5gw4vrPi8AAAAASAAACgAAAAEAAAA
BJLTmM9Owg8tAOtpWPpVLWYAQAAGW0bVdzYnJZT5Vit5JnpTD7J7U2V4zkH--
c9HeISAAbl_tFpfJU_LDn7nmQDPntgKs4-c7aIVW6ASgcKqFbzwnYJ8gXFOXoNsayX1nL76l43qjRX-
cWpMCSAqBvZIf-
l5r0vz74m7yxub5Use4ocplmsJlo3KABEZ_mmjpkpSlmQaASbNAAKOetVIT0MfxkQdDlqgnkdrMCh7UQ6
0E3X_kp4ZL9BZghrZR_R2ENhPSjcFLvXrtQhCoOzeleZtiYH1RgdZ7am4-pgingo-q-
j776GPquNwLro3b_KuT6uO0ZPHpjN1NpNXwSTnh7UgmTZIVIFH5IIZPAv_0-
GzE0X7aDhMcCz_b1GJLEJDQ6taC4kxdd5heWMzF5MxijUWnLvmWVi6vclThbA6MHtD53tPSSGDsM
9eSwZs3ZKoJ58-
Cl3NP7U0yOlm2KX5dneNKUc641bZ_iOzs04LCOB5GnTbPicuXWDF2UfsPLVnjRN_Jlh1-
CtETITwVDH4QQPeK-AfWqfk9hZ5MceOQNRyCfumz2gU4glL6an3FAAAAN3RA-
e3qDUbEiMSQlp/VWPI195f","token_type": "bearer", "expires_in": 7199}
```

3. Consuming the API

3.1 Creating Headers

A Header is required for all Lines that are required to be processed. A Header defines the type of data that will be processed by the API. If an invalid Line type is added to a Header the validation and processing of the data will subsequently fail.

3.1.1 Parameters

Path Parameter	Description																																										
{HeaderType}	Determines the type of header being added by the Line. Available Header Types are listed in the [API].[APIHeaderType] Table in the Sage 300 People Database.																																										
<table><tr><th>Code</th><th>ShortDescription</th></tr><tr><td>LEAVE</td><td>Leave</td></tr><tr><td>CANCELLEAVE</td><td>Cancel Leave</td></tr><tr><td>EMPLOYEE</td><td>Employee</td></tr><tr><td>PAYSLIPDEF</td><td>Payslip Definition</td></tr><tr><td>PAYSLIPLINEAMT</td><td>Payslip Line Amount</td></tr><tr><td>TXCODEINPUT</td><td>Transaction Code Input</td></tr><tr><td>JOB COSTING INPUT</td><td>Job Costing Input</td></tr><tr><td>TRAINING</td><td>Training</td></tr><tr><td>REPORTSTOEMP</td><td>Reports To Employee</td></tr><tr><td>REPORTSTOPOS</td><td>Reports To Position</td></tr><tr><td>REINSTATE</td><td>Employee Reinstate</td></tr><tr><td>QUALIFICATION</td><td>Qualification</td></tr><tr><td>PERMIT</td><td>Permit</td></tr><tr><td>ENTITYREL</td><td>Entity Relationship</td></tr><tr><td>DOCUMENT</td><td>Document Upload (Content)</td></tr><tr><td>MEDICAL AID</td><td>Medical Aid</td></tr><tr><td>ITEMS ISSUED</td><td>Items Issued</td></tr><tr><td>POSITION TRANS</td><td>Position Transfer</td></tr><tr><td>ITEMS ISSUED</td><td>Items Issued</td></tr><tr><td>GENERIC GET</td><td>Generic Get</td></tr></table>		Code	ShortDescription	LEAVE	Leave	CANCELLEAVE	Cancel Leave	EMPLOYEE	Employee	PAYSLIPDEF	Payslip Definition	PAYSLIPLINEAMT	Payslip Line Amount	TXCODEINPUT	Transaction Code Input	JOB COSTING INPUT	Job Costing Input	TRAINING	Training	REPORTSTOEMP	Reports To Employee	REPORTSTOPOS	Reports To Position	REINSTATE	Employee Reinstate	QUALIFICATION	Qualification	PERMIT	Permit	ENTITYREL	Entity Relationship	DOCUMENT	Document Upload (Content)	MEDICAL AID	Medical Aid	ITEMS ISSUED	Items Issued	POSITION TRANS	Position Transfer	ITEMS ISSUED	Items Issued	GENERIC GET	Generic Get
Code	ShortDescription																																										
LEAVE	Leave																																										
CANCELLEAVE	Cancel Leave																																										
EMPLOYEE	Employee																																										
PAYSLIPDEF	Payslip Definition																																										
PAYSLIPLINEAMT	Payslip Line Amount																																										
TXCODEINPUT	Transaction Code Input																																										
JOB COSTING INPUT	Job Costing Input																																										
TRAINING	Training																																										
REPORTSTOEMP	Reports To Employee																																										
REPORTSTOPOS	Reports To Position																																										
REINSTATE	Employee Reinstate																																										
QUALIFICATION	Qualification																																										
PERMIT	Permit																																										
ENTITYREL	Entity Relationship																																										
DOCUMENT	Document Upload (Content)																																										
MEDICAL AID	Medical Aid																																										
ITEMS ISSUED	Items Issued																																										
POSITION TRANS	Position Transfer																																										
ITEMS ISSUED	Items Issued																																										
GENERIC GET	Generic Get																																										

3.1.2 Request

```
POST https://HostName:9443/api/apibase/Header/{{HeaderType}} HTTP/1.1
Accept: application/json, text/plain, */*
Accept-Encoding: gzip, deflate
Content-Length: 0
Cookie: PeopleEssUser={{Cookie_Value}}
```

3.1.3 Response

```
HTTP/1.1 200 OK
```

Cache-Control: no-cache, max-age=0
Content-Length: 125
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Jan 2000 00:00:00 GMT

```
{  
  "success": true,  
  "businessRules": [],  
  "data": {  
    "apiObjectID": "00000000-0000-0000-0000-000000000000"  
  }  
}
```

Note: APIOBJECTID is the APIHeaderID for the Header Created.

3.2 Creating Lines

Lines contain the JSON data that will be processed by the API. Each Header Types has its own model that need to be passed to the API. The model is not validating during this call and will only be validated against the Header during the validateLine or validateHeader requests.

3.2.1 Parameters

Path Parameter	Description
{APIHeaderID}	apiObjectID returned in the Response in Step 3.1.3

3.2.2 Request

```
POST https://HostName:9443/api/apibase/line/{APIHeaderID} HTTP/1.1
Accept: application/json, text/plain, */*
Content-Length: 16
Content-Type: application/json
Cookie: PeopleEssUser={{Cookie_Value}}

{ JSON Object }
```

3.2.3 Response

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 125
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Jan 2000 00:00:00 GMT

{
  "success": true,
  "businessRules": [],
  "data": {
    "apiObjectID": "00000000-0000-0000-0000-000000000000"
  }
}
```

Note: APIObjectID is the APILineID for the Line Created.

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 93
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 11:39:13 GMT

{
  "success": false,
  "businessRules": [],
  "message": "Invalid Line Data Received."
}
```

3.3 Editing Lines

3.3.1 Parameters

Path Parameter	Description
{APILineID}	apiObjectID returned in the Response in Step 3.2.3

3.3.2 Request

PUT https://HostName:9443/api/apibase/line/{**APILineID**} HTTP/1.1
Accept: application/json, text/plain, */*
Content-Length: 16
Content-Type: application/json
Cookie: PeopleEssUser={{**Cookie_Value**}}

{ **JSON Object** }

3.3.3 Response

HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 47
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 11:42:37 GMT

```
{  
  "success": true,  
  "businessRules": []  
}
```

```
{  
  "success": false,  
  "businessRules": [],  
  "message": "Invalid Line Data Received."  
}
```

3.4 Removing Lines

3.4.1 Parameters

Path Parameter	Description
{APILineID}	apiObjectID returned in the Response in Step 3.2.3

3.4.2 Request

DELETE https://HostName:9443/api/apibase/line/{**APILineID**} HTTP/1.1
Accept: application/json, text/plain, */*
Content-Length: 16
Content-Type: application/json
Cookie: PeopleEssUser={ **Cookie_Value**}

{ **JSON Object** }

3.4.3 Response

HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 47
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 11:42:37 GMT

```
{  
  "success": true,  
  "businessRules": []  
}
```

3.5 Validating Lines

The validateLine request validates each individual line that is linked to an APIHeaderID. This does not validate the Header when all lines are validated, the Header must still be validated separately.

3.5.1 Parameters

Path Parameter	Description
{APILineID}	apiObjectID returned in the Response in Step 3.2.3

3.5.2 Request

```
POST https://HostName:9443/api/apibase/validateline/{APILineID} HTTP/1.1
Accept: application/json, text/plain, */*
Content-Length: 16
Content-Type: application/json
Cookie: PeopleEssUser={{Cookie_Value}}
```

3.5.3 Response

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 47
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 11:42:37 GMT
```

```
{
  "success": true,
  "businessRules": []
}
```

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 1305
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 12:29:47 GMT
```

```
{
  "success": false,
  "businessRules": [
    {
      "propertyName": "PropertyName",
      "propertyFriendlyName": "Property Friendly Name",
      "errorRulesCollection": [
        {
          "message": "Error Message."
        }
      ],
      "warningRulesCollection": [
        {
          "message": "Warning Message."
        }
      ],
      "successRulesCollection": [
        {
          "message": "Info Message."
        }
      ]
    }
  ]
}
```

3.6 Validating Headers

The validateHeader request validates the APIHeaderID as well as all the linked API Line IDs. If the Lines added are invalid the response will include a comprehensive error message indicating which data is invalid.

3.6.1 Parameters

Path Parameter	Description
{APIHeaderID}	apiObjectID returned in the Response in Step 3.1.3

3.6.2 Request

```
POST https://HostName:9443/api/apibase/validateHeader/{APIHeaderID} HTTP/1.1
Accept: application/json, text/plain, */*
Content-Length: 16
Content-Type: application/json
Cookie: PeopleEssUser={{Cookie_Value}}
```

3.6.3 Response

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 47
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 11:42:37 GMT
```

```
{
  "success": true,
  "businessRules": []
}
```

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 4239
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 12:40:03 GMT
```

```
[
  {
    "success": false,
    "businessRules": [
      {
        "propertyName": "PropertyName",
        "propertyFriendlyName": "Property Friendly Name",
        "errorRulesCollection": [
          {
            "message": "Error Message."
          }
        ],
        "warningRulesCollection": [
          {
            "message": "Warning Message."
          }
        ],
        "successRulesCollection": [
          {
            "message": "Info Message."
          }
        ]
      }
    ]
  }
],
```

```

"data": {
  "apiObjectID": "00000000-0000-0000-0000-000000000000"
},
{
  "success": false,
  "businessRules": [
    {
      "propertyName": "PropertyName",
      "propertyFriendlyName": "Property Friendly Name",
      "errorRulesCollection": [
        {
          "message": "Error Message."
        }
      ],
      "warningRulesCollection": [
        {
          "message": "Warning Message."
        }
      ],
      "successRulesCollection": [
        {
          "message": "Info Message."
        }
      ]
    }
  ],
  "data": {
    "apiObjectID": "00000000-0000-0000-0000-000000000000"
  }
}
}]

```

3.7 Processing Headers

The Process request is the final API request that will commit the data to the database. Processing the API Header will result in the fields being updated in Sage 300 People. Additional validations also apply on the process request and will only change the apiheaderID to process if all validations are corrected.

3.7.1 Parameters

Path Parameter	Description
{APIHeaderID}	apiObjectID returned in the Response in Step 3.1.3

3.7.2 Request

```
POST https://HostName:9443/api/apibase/process/{APIHeaderID} HTTP/1.1
Accept: application/json, text/plain, */*
Content-Length: 16
Content-Type: application/json
Cookie: PeopleEssUser={{Cookie_Value}}
```

3.7.3 Response

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 47
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 11:42:37 GMT
```

```
{
  "success": true,
  "businessRules": []
}
```

```
HTTP/1.1 200 OK
Cache-Control: no-cache, max-age=0
Content-Length: 4239
Content-Type: application/json; charset=utf-8
Server: Microsoft-HTTPAPI/2.0
Date: Mon, 01 Apr 2019 12:40:03 GMT
```

```
[
  {
    "success": false,
    "businessRules": [
      {
        "propertyName": "PropertyName",
        "propertyFriendlyName": "Property Friendly Name",
        "errorRulesCollection": [
          {
            "message": "Error Message."
          }
        ],
        "warningRulesCollection": [
          {
            "message": "Warning Message."
          }
        ],
        "successRulesCollection": [
          {
            "message": "Info Message."
          }
        ]
      }
    ]
  },
  {
    "data": {
      "apiObjectID": "00000000-0000-0000-0000-000000000000"
    }
  }
]
```

```

"success": false,
"businessRules": [
{
  "propertyName": "PropertyName",
  "propertyFriendlyName": "Property Friendly Name",
  "errorRulesCollection": [
    {
      "message": "Error Message."
    }
  ],
  "warningRulesCollection": [
    {
      "message": "Warning Message."
    }
  ],
  "successRulesCollection": [
    {
      "message": "Info Message."
    }
  ]
}
],
"data": {
  "apiObjectID": "00000000-0000-0000-0000-000000000000"
}
}]

```

00-00-00-00-0

= Applicable APILineID

3.8 Responses

3.8.1 Status codes

- 200 – OK (Result.Success will indicate Success of the Request)
- 400 – Bad Request
- 401 – Unauthorised
- 500 – Internal Server Error
- 550 – Unknown Error
- 551 – Generic Exception

3.8.2 Result models

```
public class ResultModel : IResultModel
{
    public bool Success { get; set; } // Flag to indicate
the Success of the Request
    public object Data { get; set; } // Data Associated
with the Success of the Request.
ResultDataModel)
    public string Message { get; set; } // A Message
regarding the Success of the Request
    public List<IPropertyRulesCollectionModel> BusinessRules { get; set; } // A list of
Business Rules
Rules, Errors, Warnings or Information
}

public interface IPropertyRulesCollectionModel
{
    string PropertyName { get; set; } // The Actual
Property Name
    string PropertyFriendlyName { get; set; } // The Friendly Name
of the Property
    List<IBusinessRuleModel> ErrorRulesCollection { get; set; } // All Errors Related
to the Property
    List<IBusinessRuleModel> SuccessRulesCollection { get; set; } // All Informational
Messages Related to the Property
    List<IBusinessRuleModel> WarningRulesCollection { get; set; } // All Warnings
Related to the Property
}

public interface IBusinessRuleModel
{
    string Message { get; set; } // The actual Message
of the Property
}

public class ResultDataModel
{
    public int? ObjectID { get; set; } // The DB Issued ID related to the Object that
was Created
Transactions
    public Guid? APIObjectID { get; set; } // The APIObjectID:
APIHeaderID, // for Headers it will be the
APILineID // for Lines it will be the
    public List<Guid> LinkedLines { get; set; } // The list of all other APILines linked to the
specific APILine
}
```

4. API Data Types

4.1 Create Leave Transactions API

4.1.1 Data Models

```
public class LeaveTransactionModel
{
    public int EmployeeID { get; set; } // Employee ID in Sage 300
                                        // (Alternatively Use EmployeeCode + (CompanyRuleCode
or CompanyCode))
    public string EmployeeCode { get; set; } // Employee Code
    public string CompanyRuleCode { get; set; } // Company Rule Code in Sage 300
    public string CompanyCode { get; set; } // Company Code in Sage 300

    public int LeaveTypeID { get; set; } // Leave Type ID (Alternatively use LeaveTypeCode)
    public string LeaveTypeCode { get; set; } // Leave Type Code

    public string PayoutRate { get; set; } // Payout Rate (N - Normal rate, T - Termination
rate, 0 - None(Default))
    public DateTime FromDate { get; set; } // Date the Leave Starts
    public DateTime ToDate { get; set; } // Date the Leave Ends on

    public decimal UnitsTaken { get; set; } // Units taken (in entitlement units defined on Leave
Def)
    public decimal UnitsCapture { get; set; } // Units captured (in capture units defined on Leave
Def)

    public int? LeaveReasonID { get; set; } // Leave Reason ID (Alternatively use
LeaveReasonCode)
    public string LeaveReasonCode { get; set; } // Leave Reason Code

    public string DoctorName { get; set; } // Doctor name for types where Sick Leave and Note
Required is set
    public string PracticeNumber { get; set; } // Practice number for types where Sick Leave and
Note Required is set

    public string Comment { get; set; } // Comments for the Leave Transaction
    public string ReferenceNumber { get; set; } // Reference Number (Auto Generated, but can be
specified Manually)
    public bool NoteReceived { get; set; } // Flag indicating if a note was received
    public bool TakeonTransaction { get; set; } // Flag indicating if it is a Take-On Transaction

    public int AMPMOptionType { get; set; } // An indicator for AM/PM Leave to indicate what the Start
and End day Types are
                                        // public const int AMPMOPTION_AMTOPM = 1; AM To PM
                                        // public const int AMPMOPTION_PMTOPM = 2; PM to PM
                                        // public const int AMPMOPTION_AMTOAM = 3; AM to AM
                                        // public const int AMPMOPTION_PMTOPM = 4; PM to PM
                                        // public const int AMPMOPTION_AM_ALL = 5; All days are AM
                                        // public const int AMPMOPTION_PM_ALL = 6; All days are PM

    // Collection to Add Documents to the Leave Transaction(See DocumentsModel for Details)
    public List<DocumentsModel> Documents { get; set; }
```

```
public class DocumentsModel
{
    public string Name { get; set; } // Name of the Document
    public string Subject { get; set; } // Document Subject
    public int DocumentSensitivityID { get; set; } // Sensitivity of the Document
    public string DocumentImage { get; set; } // Base64 String of the Document
```

4.1.2 JSON Example

```
{
  EmployeeID:"123",
  EmployeeCode:"0001",
  CompanyRuleCode:"COMPRUL001",
  CompanyCode:"COMP001",

  LeaveTypeID:"1",
  LeaveTypeCode:"ANNUAL",
```

```

PayoutRate:"0",
FromDate:"1 January 2000",
ToDate:"1 January 2000",

UnitsTaken:"1",
UnitsCapture:"1",

LeaveReasonID:"1",
LeaveReasonCode:"SICK",

DoctorName:"Dr A JACKSON",
PracticeNumber:"0123456789",

Comment:"Sick Leave for 1 January",
ReferenceNumber:"REF-001-0025",
NoteReceived:"False",
TakeonTransaction:"False",

AMPMOptionType:"",

Documents: [{
  Name:"SickNote.pdf",
  Subject:"Sick Note",
  DocumentSensitivityID:"",
  DocumentImage:"JLKLGLfssldhfsdfsdw7we79m"
}]
}

```

4.1.3 Header Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/LEAVE

4.2 Cancel Leave Transaction API

4.2.1 Data Models

```

public class CancelLeaveTransactionModel
{
    public int LeaveTransactionID { get; set; } // Leave Transaction ID (Alternatively use EmployeeID +
        ReferenceNumber)
    public int EmployeeID { get; set; } // Employee ID in Sage 300
    public string ReferenceNumber { get; set; } // Leave Transaction Reference Number
}

```

4.2.2 JSON Example

```

{
  "ReferenceNumber": "REF-001-10-2019-456",
  "EmployeeID":1234
}

```

```

{
  "LeaveTransactionID": 4321
}

```

4.2.3 Header Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/CANCELLEAVE

4.3 Payslip Definition Lines API

4.3.1 Data Models

```
public class PayslipDefEmployeeModel : PayrollBaseModel
{
    public List<PayslipDefLineModel> DefinitionLines { get; set; }
}

public class PayslipDefLineModel
{
    public int PayRunDefinitonID { get; set; }           // Pay Run Definition ID (Alternatively
    use PayRunDefinitionCode)
    public string PayRunDefinitionCode { get; set; }     // Pay Run Definition Code

    public int LineType { get; set; }                   // Payslip Line Type
                                                        // 1 - Earning
                                                        // 2 - Deduction
                                                        // 3 - CompanyContribution
                                                        // 4 - FringeBenefit
                                                        // 5 - PrivateContribution
                                                        // 6 - Provision
                                                        // 7 - Additional

    public int PayrollDefinitionID { get; set; }         // Payroll Definition ID (Alternatively
    use PayrollDefinitionCode)
    public string PayrollDefinitionCode { get; set; }    // Payroll Definition Code

    public decimal FixedAmount { get; set; }             // Fixed Amount
    public decimal? Balance { get; set; }               // Balance

    public string Note { get; set; }                    // Note
    public string Reference { get; set; }               // Reference
}
```

4.3.2 JSON Example

```
{
  "EmployeeCode": "012345",
  "CompanyCode": "SOUTHAFRICA",
  "DefinitionLines": [
    {
      "PayRunDefinitionCode": "MAIN",
      "LineType": "1",
      "PayrollDefinitionCode": "OVERTIME15",
      "FixedAmount": "321"
    },
    {
      "PayRunDefinitionCode": "MAIN",
      "LineType": "1",
      "PayrollDefinitionCode": "OVERTIME20",
      "FixedAmount": "654"
    }
  ]
}
```

4.3.3 Header Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/PAYSLIPDEF

4.4 Payslip Line Amount API

4.4.1 Data Models

```
public class PayslipLineEmployeeModel : PayrollBaseModel
{
    public List<PayslipLineAmountModel> LineAmounts { get; set; }
}

public class PayslipLineAmountModel
```

```

{
    public int PayRunDefinitonID { get; set; }           // Pay Run Definition ID (Alternatively
        use PayRunDefinitionCode)
    public string PayRunDefinitionCode { get; set; }     // Pay Run Definition Code

    public int LineType { get; set; }                   // Payslip Line Type
                                                        // 1 - Earning
                                                        // 2 - Deduction
                                                        // 3 - CompanyContribution
                                                        // 4 - FringeBenefit
                                                        // 5 - PrivateContribution
                                                        // 6 - Provision
                                                        // 7 - Additional

    public int PayrollDefinitionID { get; set; }        // Payroll Definition ID (Alternatively
        use PayrollDefinitionCode)
    public string PayrollDefinitionCode { get; set; }   // Payroll Definition Code

    public decimal Amount { get; set; }                 // Amount to Update on the Payslip Line

```

4.4.2 JSON Example

```

{
    "EmployeeCode": "012345",
    "CompanyCode": "SOUTHAFRICA",
    "LineAmounts": [
        {
            "PayRunDefinitionCode": "MAIN",
            "LineType": 1,
            "PayrollDefinitionCode": "SALARY",
            "Amount": -50000.0000
        },
        {
            "PayRunDefinitionCode": "BONUS",
            "LineType": 1,
            "PayrollDefinitionCode": "OVERTIME15",
            "Amount": 100000.0000
        },
        {
            "PayRunDefinitionCode": "ONCEOFF",
            "LineType": 1,
            "PayrollDefinitionCode": "OVERTIME15",
            "Amount": 40000.0000
        }
    ]
}

```

4.4.3 Header Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/PAYSLIPDEFAMT

4.5 Payslip Transaction API

4.5.1 Data Models

```

public class PayslipTransactionCodeEmployeeModel : PayrollBaseModel
{
    public List<PayslipTransactionCodeLineModel> UnitLines { get; set; } // Collection of
    Payslip Transaction Code Lines
}

public class PayslipTransactionCodeLineModel
{
    public int PayRunDefinitonID { get; set; } // Pay Run Definition
    ID (Alternatively use PayRunDefinitionCode)
}

```

```

    public string PayRunDefinitionCode { get; set; } // Pay Run Definition
Code
    public int TransactionCodeID { get; set; } // Transaction Code ID
(Alternatively use TransactionCode)
    public string TransactionCode { get; set; } // Transaction Code

    public DateTime? DateWorked { get; set; } // Date Worked
    public decimal Units { get; set; } // Units
    public decimal? Rate { get; set; } // Rate
    public decimal? ChargeOutRate { get; set; } // Charge Out Rate
    public decimal? InputAmount { get; set; } // Input Amount
    public string JobCostCode { get; set; } // Job Cost Code
    public string Note { get; set; } // Note

```

4.5.2 JSON Example

```

{
  "EmployeeCode": "EMP123",
  "CompanyCode": "SOUTHAFRICA",
  "UnitLines": [
    {
      "PayRunDefinitionCode": "MAIN",
      "TransactionCode": "RATE",
      "Units": 25,
      "Rate": 10.5,
      "ChargeOutRate": 15.50,
      "Note": "Test - MAIN"
    },
    {
      "PayRunDefinitionCode": "BONUS",
      "TransactionCode": "RATE",
      "Units": 10,
      "Rate": 15.5,
      "ChargeOutRate": 20.50,
      "Note": "Test - BONUS"
    },
    {
      "PayRunDefinitionCode": "ONCEOFF",
      "TransactionCode": "RATE",
      "Units": 15,
      "Rate": 20.5,
      "ChargeOutRate": 25.50,
      "Note": "Test - ONCEOFF"
    }
  ]
}

```

4.5.3 Header Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/TXCODEINPUT

4.6 ADD/UPDATE Employee API

The Employee Header type allows for different models to be used. Each model requires an existing Header and will create its own Line. E.g. updating an employee's Contact information and Bank Details will be two separate Lines and cannot be nested in the same Line request.

4.6.1 Data Models

```

public class EmployeeTakeOnModel : APISBaseModel
{
    public GenEntityModel GenEntity{get;set;}
    public EmployeeModel Employee{get;set;}
    public EmployeeRuleModel EmployeeRule {get;set;}
    public EmployeeTaxModel EmployeeTax {get;set;}
}

```

```

public EmployeeLeavePolicyModel EmployeeLeavePolicy {get;set;}
public PayslipDefModel PayslipDef {get;set;}
public EmployeeFWLModel EmployeeFWL {get;set;}
public EmployeeIndonesiaReportFieldsModel EmployeeIndonesiaReportFieldsModel { get;set;}

#region Collections

public List<AddressModel> Addresses { get; set; }
public List<ContactModel> Contacts { get; set; }
public List<BankDetailModel> BankAccounts { get; set; }
public List<DriversLicenseModel> DriversLicenses { get; set; }
public List<EmployeeRuleHierarchyRelModel> hierarchies { get; set; }

#endregion

}

public class GenEntityModel
{
    public int? GenEntityID { get; set; }
    public string EntityCode { get; set; }
    public int? GenEntityTypeID { get; set; }
    public string GenEntityTypeCode { get; set; }
    public int? GenEntitySubTypeID { get; set; }
    public string GenEntitySubTypeCode { get; set; }
    public string CompanyName { get; set; }
    public string TaxNo { get; set; }
    public DateTime? TaxRegistrationDate { get; set; }
    public string VATNo { get; set; }
    public string CompanyRegistrationNo { get; set; }
    public DateTime? CompanyRegistrationDate { get; set; }
    public int? TitleTypeID { get; set; }
    public string TitleTypeCode { get; set; }
    public string Initials { get; set; }
    public string FirstName { get; set; }
    public string SecondName { get; set; }
    public string OtherNames { get; set; }
    public string KnownAsName { get; set; }
    public string LastName { get; set; }
    public string MaidenName { get; set; }
    public string ArabicFullName { get; set; }
    public int? MaritalStatusTypeID { get; set; }
    public string MaritalStatusTypeCode { get; set; }
    public int? IdentityTypeID { get; set; }
    public string IdentityTypeCode { get; set; }
    public string IDNumber { get; set; }
    public DateTime? IDNumberExpiryDate { get; set; }
    public DateTime? BirthDate { get; set; }
    public string BirthCertificateNumber { get; set; }
    public string CityOfBirth { get; set; }
    public string Gender { get; set; }
    public int? LanguageTypeID { get; set; }
    public string LanguageTypeCode { get; set; }
    public string NationalityCountryCode { get; set; }
    public string CountryOfBirth { get; set; }
    public string PassportNo { get; set; }
    public string PassportCountryCode { get; set; }
    public bool? Disabled { get; set; }
    public int? DisabilityTypeID { get; set; }
    public string DisabilityTypeCode { get; set; }
    public int? EthnicTypeID { get; set; }
    public string EthnicTypeCode { get; set; }
    public string RacialGroup { get; set; }
    public int? RaceGroupID { get; set; }
    public string RaceGroupCode { get; set; }
    public int? ReligionID { get; set; }
    public string ReligionCode { get; set; }
    public string BloodGroup { get; set; }
    public string HomeNumber { get; set; }
    public string WorkNumber { get; set; }
    public string FaxNumber { get; set; }
    public string CellNumber { get; set; }
    public string EmailAddress { get; set; }
}

public class EmployeeModel
{
    public int? EmployeeID { get; set; }
    public string EmployeeCode { get; set; }

```

```

    public int? CompanyID { get; set; }
    public string CompanyCode { get; set; }
    public DateTime? DateEngaged { get; set; }
    public int? TaxBranchID { get; set; }
    public string TaxBranchCode { get; set; }
    public int? UIFStatusID { get; set; }
    public string UIFStatusCode { get; set; }
    public DateTime? UIFStartDate { get; set; }
    public int? JobTitleTypeID { get; set; }
    public string JobTitleTypeCode { get; set; }
    public int? JobGradeID { get; set; }
    public string JobGradeCode { get; set; }
    public DateTime? TerminationDate { get; set; }
    public int? TerminationReasonID { get; set; }
    public string TerminationReasonCode { get; set; }
    public int? FinalCalcNow { get; set; }
    public DateTime? DateJoinedGroup { get; set; }
    public DateTime? LeaveStartDate { get; set; }
    public int? NatureOfContractID { get; set; }
    public string NatureOfContractCode { get; set; }
    public DateTime? ProbationPeriodEndDate { get; set; }
}

public class EmployeeRuleModel
{
    public int? CompanyRuleID { get; set; }
    public string CompanyRuleCode { get; set; }
    public decimal? HoursPerPeriod { get; set; }
    public decimal? HoursPerDay { get; set; }
    public decimal? AnnualSalary { get; set; }
    public decimal? PeriodSalary { get; set; }
    public bool? OverrideAnnualBonusCalcRecurrence { get; set; }
    public int? CalendarMonth { get; set; }
    public string PeriodInMonth { get; set; }
    public int? DefaultShiftsPerPeriod { get; set; }
    public decimal? RatePerDay { get; set; }
    public decimal? RatePerHour { get; set; }
    public DateTime? PensionFundStartDate { get; set; }
    public DateTime? ProvidentFundStartDate { get; set; }
    public string ZoneCodes { get; set; }
    public int? IncreaseReasonTypeID { get; set; }
    public string IncreaseReasonTypeCode { get; set; }
    public DateTime? MedicalStartDate { get; set; }
    public int? RemunerationDefinitionHeaderID { get; set; }
    public string RemunerationDefinitionHeaderCode { get; set; }

    //singapore
    public int? CPFVoluntaryPolicyID { get; set; }
    public string CPFVoluntaryPolicyCode { get; set; }
    public int? SocialSecurityFundTypeID { get; set; }
    public string SocialSecurityFundTypeCode { get; set; }
    public bool? SDLExempt { get; set; }
}

public class EmployeeTaxModel
{
    public bool? LegallyRetiredforTaxPurpose { get; set; }
    public bool? ForeignIncome { get; set; }
    public int? TaxStatusID { get; set; }
    public string TaxStatusCode { get; set; }
    public DateTime? TaxStartDate { get; set; }
    public string TaxCalculation { get; set; }
    public string DirectiveNumber { get; set; }
    public decimal? DirectivePercentage { get; set; }
    public decimal? DirectiveTaxAmount { get; set; }
    public decimal? DeemedRemuneration { get; set; }
    public string UseTaxValue1 { get; set; }
    public string UseTaxValue2 { get; set; }
}

public class EmployeeLeavePolicyModel
{
    public int? LeavePolicyID { get; set; }
    public string LeavePolicyCode { get; set; }
}

public class PayslipDefModel
{
    public int? PaymentRunDefID { get; set; }
}

```

```

    public string PaymentRunDefCode { get; set; }
    public int? RemunerationEarnDefID { get; set; }
    public string RemunerationEarnDefCode { get; set; }
}

public class EmployeeFWLModel
{
    public int? FWLPolicyID { get; set; }
    public string FWLPolicyCode { get; set; }
    public DateTime? EffectiveDate { get; set; }
    public DateTime? FWLExpiryDate { get; set; }
    public string PermitNumber { get; set; }
    public DateTime? CancellationDate { get; set; }
    public DateTime? FWLIssueDate { get; set; }
    public DateTime? ArrivalDate { get; set; }
    public DateTime? ApplicationDate { get; set; }
}

public class EmployeeIndonesiaReportFieldsModel
{
    public string RTNumber { get; set; }
    public string RWNumber { get; set; }
    public string KartuKeluargaNumber { get; set; }
    public int? HealthFacilityID { get; set; }
    public string HealthFacilityCode { get; set; }
    public string BPJS PensionNumber { get; set; }
    public string JPKNumber { get; set; }
    public string KPJNumber { get; set; }
    public int? EmploymentStatusID { get; set; }
    public string EmploymentStatusCode { get; set; }
    public bool? BPJS Kesehatan { get; set; }
    public bool? GovernmentAssistance { get; set; }
}

public class AddressModel
{
    //Group Key
    public string EmployeeCode { get; set; }
    public string CompanyRuleCode { get; set; }
    public string CompanyCode { get; set; }

    //Values
    public int? AddressID { get; set; }
    public bool? UseWork { get; set; }
    public bool? UsePhysical { get; set; }
    public bool? UsePostal { get; set; }
    public int? AddressServiceTypeID { get; set; }
    public string AddressServiceTypeCode { get; set; }
    public bool? CorrespondenceAddress { get; set; }
    public string UnitPostalNumber { get; set; }
    public string Complex { get; set; }
    public string LevelFloor { get; set; }
    public string Block { get; set; }
    public string StreetNumber { get; set; }
    public string StreetFarmName { get; set; }
    public string SuburbDistrict { get; set; }
    public int? DistrictID { get; set; }
    public string DistrictCode { get; set; }
    public string CityTown { get; set; }
    public string Province { get; set; }
    public string PostalCode { get; set; }
    public string PostalAgency { get; set; }
    public string PostalOffice { get; set; }
    public string PostalAddressNumber { get; set; }
    public string OtherServiceType { get; set; }
    public bool? CareOf { get; set; }
    public string CareOfName { get; set; }
    public string CountryCode { get; set; }
}

public class ContactModel : APIBaseModel
{
    //Group Key
    public string EmployeeCode { get; set; }
    public string CompanyRuleCode { get; set; }
    public string CompanyCode { get; set; }

    //Values
    public int? ContactID { get; set; } // Contact ID for Updating a Contact Line

```

```

    public int ContactTypeID { get; set; } // Contact Type ([Entity].[Contact] Table)
    public string ContactTypeCode { get; set; } // Contact Type Code
                                              // Default Types are: 1 = HOME
                                              //                               2 = WORK
                                              //                               3 = FAX
                                              //                               4 = CELL
                                              //                               5 = MAIL

    public string ContactDetail { get; set; } // Contact Detail eg. Actual Email Address,
    Cellphone Number...
}

public class BankDetailModel
{
    //Group Key
    public string EmployeeCode { get; set; }
    public string CompanyRuleCode { get; set; }
    public string CompanyCode { get; set; }

    //Values
    public string AccountHolderRelationship { get; set; }
    public string AccountName { get; set; }
    public int BankID { get; set; }
    public string BankCode { get; set; }
    public int AccountTypeID { get; set; }
    public string AccountTypeCode { get; set; }
    public string AccountNo { get; set; }
    public int BankBranchID { get; set; }
    public string BankBranchCode { get; set; }

    public string Ccy { get; set; }
    public bool DefaultInd { get; set; }

    public string CreditLineNumber { get; set; }
}

public class DriversLicenseModel
{
    //Group Key
    public string EmployeeCode { get; set; }
    public string CompanyRuleCode { get; set; }
    public string CompanyCode { get; set; }

    //Values
    public int? DriversLicensesID { get; set; }

    public DateTime? IssueDate { get; set; }
    public DateTime? ExpiryDate { get; set; }
    public string LicenseNumber { get; set; }
    public int? LicenseCategoriesTypeID { get; set; }
    public string LicenseCategoriesTypeCode { get; set; }
    public int? LicenseRestrictionsTypeID { get; set; }
    public string LicenseRestrictionsTypeCode { get; set; }

    public string CountryCode { get; set; }
}

public class EmployeeRuleHierarchyRelModel : APIBaseModel
{
    //Group Key
    public string EmployeeCode { get; set; }
    public string CompanyRuleCode { get; set; }
    public string CompanyCode { get; set; }

    //Detail
    public int HierarchyHeaderID { get; set; }
    public string HierarchyHeaderCode { get; set; }
    public int? HierarchyID { get; set; }
    public string HierarchyCode { get; set; }
}

```

4.6.2 JSON Example

4.6.2.1 Employee / Employee Rule / Genentity Model

Request

POST <http://servername:port/api/apibase/line/{{APIHeaderID}}/E>

```
{
  "EmployeeCode": "EMP123",
  "CompanyRuleCode": "SOUTHAFRICA",
  "EntityCode": "10201",
  "CompanyCode": "SOUTHAFRICA",
  "PaymentRunDefCode": "ACB",
  "RemunerationEarnDefCode": "SALARY",
  "LeavePolicyCode": "CompanyLeavePolicy",
  "GenEntityTypeCode": "INDV",
  "GenEntitySubTypeCode": "EMPL",
  "TaxNo": "123123123",
  "TaxRegistrationDate": "2017/09/15",
  "TitleTypeCode": "PROF",
  "Initials": "JJ",
  "FirstName": "John",
  "SecondName": "James",
  "OtherNames": "Frank",
  "KnownAsName": "Johnny",
  "LastName": "Doe",
  "MaidenName": "Maid Marianne",
  "MaritalStatusTypeCode": "WID",
  "IDNumber": "7012315000087",
  "BirthDate": "1970/12/31",
  "BirthCertificateNumber": "Birth1234",
  "CityOfBirth": "Pretoria",
  "Gender": "M",
  "LanguageTypeCode": "ENG",
  "NationalityCountryCode": "WLF",
  "CountryOfBirth": "ZAF",
  "PassportNo": "PS123",
  "PassportCountryCode": "ZAF",
  "Disabled": "TRUE",
  "DisabilityTypeCode": "VISL",
  "EthnicTypeCode": "SHA",
  "RacialGroup": "W",
  "ReligionCode": "TAO",
  "BloodGroup": "O+",
  "DateEngaged": "2019/03/01",
  "UIFStatusCode": "GVM",
  "UIFStartDate": "2017/09/20",
  "JobTitleTypeCode": "EMPLOYEE",
  "JobGradeCode": "TIER5",
  "TerminationDate": "2020/12/31",
  "TerminationReasonCode": "BC",
  "FinalCalcNow": "1",
  "DateJoinedGroup": "2019/03/01",
  "LeaveStartDate": "2019/03/01",
  "NatureOfContractCode": "REGCAS",
  "ProbationPeriodEndDate": "2019/03/30",
  "HoursPerPeriod": "176",
  "HoursPerDay": "8",
  "AnnualSalary": "41122.2233",
  "PeriodSalary": "6000",
  "OverrideAnnualBonusCalcRecurrence": "FALSE",
  "CalendarMonth": "12",
  "RatePerDay": "200",
  "RatePerHour": "50",
  "MedicalStartDate": "2019/03/01",
  "LegallyRetiredforTaxPurpose": "TRUE",
  "ForeignIncome": "TRUE",
  "TaxStatusCode": "DIRST",
  "TaxStartDate": "2019/03/01",
  "TaxCalculation": "C",
  "HomeNumber": "0129911739",
  "WorkNumber": "0124207000",
  "FaxNumber": "0823898272",
  "CellNumber": "0811112233",
  "EmailAddress": "john.doe@sage.com"
}
```

4.6.2.2 Hierarchy Model

Request

POST <http://servername:port/api/apibase/line/{{APIHeaderID}}/H>

```
{
    "EmployeeCode": " EMP123",
    "CompanyRuleCode": "SOUTHAFRICA",
    "HierarchyHeaderID": "2",
    "HierarchyHeaderCode": "DEPARTMENT",
    "HierarchyID": "9",
    "HierarchyCode": "IT"
}
```

4.6.2.3 Bank Detail Model

Request

POST <http://servername:port/api/apibase/line/{{APIHeaderID}}/B>

```
{
    "EmployeeCode": " EMP123",
    "CompanyRuleCode": "SOUTHAFRICA",
    "AccountHolderRelationship": "0",
    "AccountName": "John Doe Account",
    "BankCode": "ABSA",
    "AccountTypeCode": "CA",
    "AccountNo": "112233445566",
    "BankBranchCode": "632005",
    "Ccy": "ZAR"
}
```

4.6.2.4 Drivers License Model

Request

POST <http://servername:port/api/apibase/line/{{APIHeaderID}}/D>

```
{
    "EmployeeCode": " EMP123",
    "CompanyRuleCode": "SOUTHAFRICA",
    "DriversLicCountryCode": "ZAF",
    "IssueDate": "2019/01/01",
    "ExpiryDate": "2024/01/01",
    "LicenseNumber": "225A142",
    "LicenseCategoriesTypeID": "2",
    "LicenseCategoriesTypeCode": "MEDIUM",
    "LicenseRestrictionsTypeID": "2",
    "LicenseRestrictionsTypeCode": "VISUAL"
}
```

4.6.2.5 Address Model

Request

POST <http://servername:port/api/apibase/line/{{APIHeaderID}}/A>

```
{
    "EmployeeCode": " EMP123",
    "CompanyRuleCode": "SOUTHAFRICA",
    "UseWork": true,
    "UsePhysical": true,
    "UsePostal": true,
    "AddressServiceTypeID": "4",
    "AddressServiceTypeCode": "STREET",
    "CorrespondenceAddress": true,
    "UnitPostalNumber": "11335",
    "Complex": "My Complex",
    "LevelFloor": "4",
    "Block": "B",
    "StreetNumber": "106",
    "StreetFarmName": "Aramist Avenue",
    "SuburbDistrict": "Menlyn Maine",
    "DistrictID": "1",
    "DistrictCode": "PTA",
    "CityTown": "Pretoria",
}
```

```

        "Province": "Gauteng",
        "PostalCode": "0181",
        "PostalAgency": "Postnet",
        "PostalOffice": "Menlyn",
        "PostalAddressNumber": "852369",
        "OtherServiceType": "Private Service",
        "CareOf": true,
        "CareOfName": "Mr Caring",
        "CountryCode": "ZAF"
    }

```

4.6.2.6 Contact Model

Request

POST <http://servername:port/api/apibase/line/{{APIHeaderID}}/C>

```

{
    "EmployeeCode": "EMP123",
    "CompanyRuleCode": "SOUTHAFRICA",
    "ContactTypeID": "4",
    "ContactTypeCode": "CELL",
    "ContactDetail": "0821112233"
}

```

4.7 Job Costing API

4.7.1 Data Models

```

public class JobCostingEmployeeModel : PayrollBaseModel
{
    public List<JobCostingLineModel> UnitLines { get; set; } // Collection of Job
    Costing Lines
}
public class HierarchyHeaderModel
{
    public int HierarchyHeaderID { get; set; } // Hierarchy Header ID
    (Alternatively use Hierarchy Header Code)
    public string HierarchyHeaderCode { get; set; } // Hierarchy Header Code
    public int HierarchyID { get; set; } // Hierarchy ID (Alternatively
    use Hierarchy Code)
    public string HierarchyCode { get; set; } // Hierarchy Code
}
public class JobGradeModel
{
    public int JobGradeID { get; set; } // Job Grade ID (Alternatively
    use Job Grade Code)
    public string JobGradeCode { get; set; } // Job Grade Code
}
public class JobTitleModel
{
    public int JobTitleID { get; set; } // Job Title ID (Alternatively
    use Job Title Code)
    public string JobTitleCode { get; set; } // Job Title Code
}
public class JobCostingLineModel
{
    public int PayRunDefinitonID { get; set; } // Pay Run Definition ID
    (Alternatively use PayRunDefinitionCode)
    public string PayRunDefinitionCode { get; set; } // Pay Run Definition Code
    public int TransactionCodeID { get; set; } // Transaction Code ID
    (Alternatively use TransactionCode)
    public string TransactionCode { get; set; } // Transaction Code

    public List<HierarchyHeaderModel> HierarchyList { get; set; }
    public JobGradeModel JobGrade { get; set; }
    public JobTitleModel JobTitle { get; set; }

    public DateTime? DateWorked { get; set; } // Date Worked
    public decimal Units { get; set; } // Units
    public decimal? Rate { get; set; } // Rate
    public decimal? ChargeOutRate { get; set; } // Charge Out Rate
    public decimal? InputAmount { get; set; } // Input Amount
    public string JobCostCode { get; set; } // Job Cost Code
}

```

<pre> public string Note { get; set; } public decimal? AdditionalUnits { get; set; } public DateTime? EndDate { get; set; } } </pre>	<pre> // Note // Additional Units // End Date </pre>
--	--

4.7.2 JSON Example

```

{
  "EmployeeCode": "EMP123",
  "CompanyCode": "SOUTHAFRICA",
  "CompanyRuleCode": "SOUTHAFRICA",
  "UnitLines": [
    {
      "PayRunDefinitionCode": "MAIN",
      "TransactionCode": "T009",
      "HierarchyList": [
        {
          "HierarchyHeaderCode": "COUNTRY",
          "HierarchyCode": "SOUTHAFRICA"
        },
        {
          "HierarchyHeaderCode": "DEPT",
          "HierarchyCode": "SALES"
        }
      ],
      "JobGrade": {
        "JobGradeCode": "JNR"
      },
      "JobTitle": {
        "JobTitleCode": "SALESCON"
      },
      "DateWorked": "2019-08-29",
      "Units": 200.0,
      "Rate": 333.0,
      "ChargeOutRate": 444.0,
      "InputAmount": 111.0,
      "Note": "Example",
      "AdditionalUnits": 5.0,
      "EndDate": "2020-08-29"
    }
  ]
}

```

4.7.3 Header Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/JOB-COSTING-INPUT

4.8 Training API

4.8.1 Data Models

```

public class TrainingTransactionModel : APIBaseModel
{
    public int EmployeeTrainingID { get; set; } // For Update only -
    [EmployeeTransaction].[EmployeeTraining].[EmployeeTrainingID]

    public int EmployeeID { get; set; } // Employee ID in Sage 300 (Alternatively
    Use EmployeeCode + (CompanyRuleCode or CompanyCode))
    public string EmployeeCode { get; set; } // Employee Code
    public string CompanyRuleCode { get; set; } // Company Rule Code in Sage 300
    public string CompanyCode { get; set; } // Company Code in Sage 300

    public int TrainingDictionaryID { get; set; } // Training Dictionary ID
    (Alternatively use TrainingDictionaryCode)
    public string TrainingDictionaryCode { get; set; } // Training Dictionary Code

    public string Description { get; set; } // Description
    public int? TrainingScore { get; set; } // Training Score
}

```

```

        public string Comment { get; set; } // Comment

        public int? InterventionProviderID { get; set; } // Intervention Provider ID
        (Alternatively use InterventionProviderCode)
        public string InterventionProviderCode { get; set; } // Intervention Provider Code

        public int? InternalFacilitatorEmployeeID { get; set; } // Internal Facilitator
        Employee ID in Sage 300 (Alternatively Use InternalFacilitatorEmployeeCode +
        (InternalFacilitatorCompanyRuleCode or InternalFacilitatorCompanyCode))
        public string InternalFacilitatorEmployeeCode { get; set; } // Internal Facilitator
        Employee Code
        public string InternalFacilitatorCompanyRuleCode { get; set; } // Company Rule Code in
        Sage 300
        public string InternalFacilitatorCompanyCode { get; set; } // Company Code in Sage
        300

        public int? ExternalFacilitatorID { get; set; } // External Facilitator ID
        (Alternatively use ExternalFacilitatorCode)
        public string ExternalFacilitatorCode { get; set; } // External Facilitator Code
        public int? InterventionResultID { get; set; } // Intervention Result ID (Alternatively
        use InterventionResultCode)
        public string InterventionResultCode { get; set; } // Intervention Result Code
        public DateTime? PlannedDate { get; set; } // Planned Date
        public DateTime? AttendedDate { get; set; } // AttendedDate
        public DateTime? AssessedDate { get; set; } // AssessedDate
        public DateTime? CompletedDate { get; set; } // Completed Date
        public DateTime? TrainingExpiryDate { get; set; } // Training Expiry Date
        public int? ReasonNotCompletedID { get; set; } // Reason Not Completed ID
        (Alternatively use ReasonNotCompletedCode)
        public string ReasonNotCompletedCode { get; set; } // Reason Not Completed Code
        public int? AdditionalInformationID { get; set; } // Additional Information ID
        (Alternatively use AdditionalInformationCode)
        public string AdditionalInformationCode { get; set; } // Additional Information Code
        public bool? IsLinkDevelopmentPlan { get; set; } // Is Link Development Plan
        public bool? RecordTrainingForEquity { get; set; } // Record Training For Equity
        public bool? AchievedPreviously { get; set; } // Achieved Previously
        public bool? RecognitionForPriorLearning { get; set; } // Recognition For Prior Learning
        public decimal? DurationDays { get; set; } // Duration Days
        public decimal? DurationHours { get; set; } // Duration Hours
        public decimal? DirectCost { get; set; } // Direct Cost
        public bool? IsFormalBursary { get; set; } // Is Formal Bursary
        public bool? IsCompanySponsoredBursary { get; set; } // Is Company Sponsored Bursary
        public decimal? InvestmentAmount { get; set; } // Investment Amount
        public decimal? BuyOutAmount { get; set; } // BuyOutAmount
        public DateTime? BursaryWorkBackDateFrom { get; set; } // Bursary Work Back Date
        From
        public DateTime? BursaryWorkBackDateTo { get; set; } // Bursary Work Back Date To
        public List<TrainingCostModel> TrainingCostList { get; set; } // Training Cost List
        public List<TrainingSubjectModel> TrainingSubjectList { get; set; } // Training Cost List
        public List<DocumentsModel> Documents { get; set; } // Collection to Add Documents to the Leave
        Transaction(See DocumentsModel for Detailss)
    }

    public class TrainingCostModel
    {
        public int? EmployeeTrainingCostID { get; set; } // For Update only -
        [EmployeeTransaction].[EmployeeTrainingCostRel].[EmployeeTrainingCostRelID]
        public int InterventionCostID { get; set; } // Intervention Cost ID (Alternatively use
        InterventionCostCode)
        public string InterventionCostCode { get; set; } // Intervention Cost Code
        public decimal? Cost { get; set; } // Cost
    }

    public class TrainingSubjectModel
    {
        public int? EmployeeTrainingSubjectID { get; set; } // For Update only -
        [EmployeeTransaction].[EmployeeTrainingSubject].[EmployeeTrainingSubjectID]

        public int? InterventionSubjectDictionaryID { get; set; } // Intervention Subject
        DictionaryID (Alternatively use InterventionSubjectDictionaryCode)
        public string InterventionSubjectDictionaryCode { get; set; } // Intervention
        Subject Dictionary Code

        public string InterventionSubjectCode { get; set; } // Intervention Subject Code
        public string InterventionSubjectShortDescription { get; set; } // Intervention
        Subject Short Description
        public string InterventionSubjectLongDescription { get; set; } // Intervention
        Subject Long Description

        public decimal? DirectCost { get; set; } // Direct Cost

```

```

    public string InterventionDescription { get; set; } // Intervention Description
    public string UnitStandardCode { get; set; } // Unit Standard Code
    public string UnitStandardTitle { get; set; } // Unit Standard Title
    public int? InterventionNQFLevelID { get; set; } // Intervention NQF LevelID
    (Alternatively use InterventionNQFLevelCode)
    public string InterventionNQFLevelCode { get; set; } // InterventionNQFLevelCode
    public int? InterventionLevelID { get; set; } // Intervention Level ID (Alternatively
    use InterventionLevelCode)
    public string InterventionLevelCode { get; set; } // Intervention Level Code
    public string AccreditationNumber { get; set; } // Accreditation Number
    public int? NQFCredits { get; set; } // NQF Credits
    public int? InformalCredits { get; set; } // Informal Credits
    public int? InterventionLearningModeID { get; set; } // Intervention Learning Mode ID
    (Alternatively use InterventionLearningModeCode)
    public string InterventionLearningModeCode { get; set; } // Intervention Learning Mode Code
    public int? InterventionLearningDescriptionID { get; set; } // Intervention Learning
    Description ID (Alternatively use InterventionLearningDescriptionCode)
    public string InterventionLearningDescriptionCode { get; set; } // Intervention Learning
    Description Code
    public int? InterventionTypeOfLearningID { get; set; } // Intervention Type Of Learning
    ID (Alternatively use InterventionTypeOfLearningCode)
    public string InterventionTypeOfLearningCode { get; set; } // Intervention Type Of Learning
    Code
    public int? ResultID { get; set; } // ResultID ID (Alternatively use ResultCode)
    public string ResultCode { get; set; } // Result Code

    public int? Score { get; set; } // Score
    public DateTime? DateCompleted { get; set; } // Date Completed
}
public class DocumentsModel
{
    public string Name { get; set; } // Name of the Document
    public string Subject { get; set; } // Document Subject
    public int DocumentSensitivityID { get; set; } // Sensitivity of the Document
    public string DocumentImage { get; set; } // Base64 String of the Document
}

```

4.8.2 JSON Examlle

4.8.2.1 Create Training API

```

{
    "EmployeeCode": "E003",
    "CompanyRuleCode": "SAU001_CR001",
    "TrainingDictionaryCode": "KEVIN1",
    "Description": "My Description",
    "TrainingScore": null,
    "Comment": "My Comment",
    "InterventionProviderCode": "INTPROV1",
    "InternalFacilitatorEmployeeCode": "E003",
    "InternalFacilitatorCompanyRuleCode": "SAU001_CR001",
    "ExternalFacilitatorCode": null,
    "InterventionResultCode": "INTRES1",
    "PlannedDate": null,
    "AttendedDate": "2020-01-01",
    "AssessedDate": null,
    "CompletedDate": null,
    "TrainingExpiryDate": null,
    "ReasonNotCompletedCode": null,
    "AdditionalInformationCode": "ADDINFO1",
    "IsLinkDevelopmentPlan": false,
    "RecordTrainingForEquity": false,
    "AchievedPreviously": false,
    "RecognitionForPriorLearning": false,
    "DurationDays": null,
    "DurationHours": null,
    "DirectCost": 10.0100,
    "IsFormalBursary": true,
    "IsCompanySponsoredBursary": false,
    "InvestmentAmount": 11.12,
    "BuyOutAmount": 12.23,
    "BursaryWorkBackDateFrom": null,
    "BursaryWorkBackDateTo": null,
    "TrainingCostList":
    [
        {
            "InterventionCostCode": "INTCOST1",

```

```

        "Cost":5.0
    },
    {
        "InterventionCostCode":"INTCOST2",
        "Cost":10.0
    }
],
    "TrainingSubjectList":
    [
        {
            "InterventionSubjectDictionaryCode":"SUBJECT1",
            "InterventionSubjectCode":null,
            "InterventionSubjectShortDescription":null,
            "InterventionSubjectLongDescription":null,
            "DirectCost":9.99,
            "InterventionDescription":"My Intervention Description",
            "UnitStandardCode":"MyUnitStdCode",
            "UnitStandardTitle":"My Unit Standard Title",
            "InterventionNQFLevelCode":"ABET1",
            "InterventionLevelCode":"ENTRY",
            "AccreditationNumber":"My Accreditation Number",
            "NQFCredits":null,
            "InformalCredits":null,
            "InterventionLearningModeCode":"FF",
            "InterventionLearningDescriptionCode":"CATEGORYE",
            "InterventionTypeOfLearningCode":"AP",
            "ResultCode":"INTRES1",
            "Score":null,
            "DateCompleted":null
        }
    ]
}

```

4.8.2.2 Update Training API

```

{
    "EmployeeTrainingID":4,
    "EmployeeCode":"E003",
    "CompanyRuleCode":"SAU001_CR001",
    "TrainingDictionaryCode":"KEVIN1",
    "Description":"My Description",
    "TrainingScore":null,
    "Comment":"My Comment",
    "InterventionProviderCode":"INTPROV1",
    "InternalFacilitatorEmployeeCode":"E003",
    "InternalFacilitatorCompanyRuleCode":"SAU001_CR001",
    "ExternalFacilitatorCode":null,
    "InterventionResultCode":"INTRES1",
    "PlannedDate":null,
    "AttendedDate":"2020-01-01",
    "AssessedDate":null,
    "CompletedDate":null,
    "TrainingExpiryDate":null,
    "ReasonNotCompletedCode":null,
    "AdditionalInformationCode":"ADDINFO1",
    "IsLinkDevelopmentPlan":false,
    "RecordTrainingForEquity":false,
    "AchievedPreviously":false,
    "RecognitionForPriorLearning":false,
    "DurationDays":null,
    "DurationHours":null,
    "DirectCost":10.0100,
    "IsFormalBursary":true,
    "IsCompanySponsoredBursary":false,
    "InvestmentAmount":11.12,
    "BuyOutAmount":12.23,
    "BursaryWorkBackDateFrom":null,
    "BursaryWorkBackDateTo":null,
    "TrainingCostList":
    [
        {
            "EmployeeTrainingCostID":2,
            "InterventionCostCode":"INTCOST1",
            "Cost":5.0
        },
        {
            "InterventionCostCode":"INTCOST2",
            "Cost":10.0
        }
    ],
    "TrainingSubjectList":
    [
        {

```

```

        "EmployeeTrainingSubjectID": 2,
        "InterventionSubjectDictionaryCode": "SUBJECT1",
        "InterventionSubjectCode": null,
        "InterventionSubjectShortDescription": null,
        "InterventionSubjectLongDescription": null,
        "DirectCost": 9.99,
        "InterventionDescription": "My Intervention Description",
        "UnitStandardCode": "MyUnitStdCode",
        "UnitStandardTitle": "My Unit Standard Title",
        "InterventionNQFLevelCode": "ABET1",
        "InterventionLevelCode": "ENTRY",
        "AccreditationNumber": "My Accreditation Number",
        "NQFCredits": null,
        "InformalCredits": null,
        "InterventionLearningModeCode": "FF",
        "InterventionLearningDescriptionCode": "CATEGORYE",
        "InterventionTypeOfLearningCode": "AP",
        "ResultCode": "INTRES1",
        "Score": null,
        "DateCompleted": null
    }
}

```

4.8.3 Headers Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/TRAINING
Update	POST	http://{HostName}:{APIPort}/api/apibase/Header/TRAINING/U

4.9 General Ledger API

The General Ledger API allows for the export of the GL Setup PayPeriods and General Ledger per GLSetupID and PayPeriodGenID. The GLSetupID will need to be provided by a Sage300People system administrator.

4.9.1 Data Models

```

public partial class GeneralLedgerSetupPayPeriodModel : BaseModel
{
    public int GLSetupID { get; set; }
    public int CompanyRuleID { get; set; }
    public int PayPeriodID { get; set; }
    public DateTime PayPeriodStartDate { get; set; }
    public DateTime PayPeriodEndDate { get; set; }
    public string GLSetupDescription { get; set; }
    public string CompanyRuleCode { get; set; }
    public string CompanyRule { get; set; }
}

```

```

public partial class GeneralLedgerTransactionModel : BaseModel
{
    public int GLSetupID { get; set; }
    public DateTime PeriodEndDate { get; set; }
    public int ExportHeaderID { get; set; }
    public string EmployeeCode { get; set; }
    public string DefinitionType { get; set; }
    public string Definition { get; set; }
    public string DebitAccount { get; set; }
    public string DebitAccountCodeDisplay { get; set; }
    public string CreditAccount { get; set; }
    public string CreditAccountCodeDisplay { get; set; }
    public decimal Total { get; set; }
}

```

4.9.2 JSON Examlpe

4.9.2.1 Get GL Setup Pay Periods

Request

GET <http://servername:port/api/generalledger/GetGLSetupPayPeriods/{{GLSetupID}}>

Response

```
{
  "GLSetupID": 1,
  "CompanyRuleID": 1,
  "PayPeriodID": 1,
  "PayPeriodStartDate": "2020-01-01T00:00:00",
  "PayPeriodEndDate": "2020-01-01T00:00:00",
  "GLSetupDescription": "Description",
  "CompanyRuleCode": "Co_Rule1",
  "CompanyRule": "Company Rule Description"
}
```

4.9.2.2 Get GL Setup export transactions by Pay Period

Request

POST <http://servername:port/api/generalledger/GetGLExport>

```
{
  "GLSetupID": 1,
  "PayPeriodGenID": 446
}
```

Response

```
{
  "GLSetupID": 1,
  "PeriodEndDate": "2020-01-31T00:00:00",
  "ExportHeaderID": 1,
  "EmployeeCode": "EmpCode",
  "DefinitionType": "E",
  "Definition": "Earning",
  "DebitAccount": "Account",
  "DebitAccountCodeDisplay": "AccountDisplay",
  "CreditAccount": "Account",
  "CreditAccountCodeDisplay": "AccountDisplay",
  "Total": 0.0
}
```

4.10 Content Attachment

4.10.1 Data Models

```
public class DocumentsAttachModel
{
    public int EmployeeID { get; set; } // Employee ID
    public string EmployeeCode { get; set; } // Employee Code
    public string CompanyCode { get; set; } // Company Code
    public string CompanyRuleCode { get; set; } // Company Code
    public int EntityID { get; set; } // Entity ID
    public int Username { get; set; } // Username
    public string Status { get; set; } // Status
    public int DocumentID { get; set; } // Document ID
    public string DocumentCode { get; set; } // Document Code
    public string ContentCategoryTypeCode { get; set; } // Content Category Type Code
    public int? ContentCategoryTypeID { get; set; } // Content Category Type ID
    public DateTime? DateCreated { get; set; } // Date Created
    public string Subject { get; set; } // Subject
    public DateTime? ExpiryDate { get; set; } // Expiry Date
}
```

```

public int RelatedTable { get; set; } // Related Table
public int ContentSensitivity { get; set; } // Content Sensitivity
public string ZoneCode { get; set; } // Zone Code
public int ZoneCodeID { get; set; } // Zone Code ID
public string FileName { get; set; } // File Name
public int FileExtension { get; set; } // File Extension
public string Comments { get; set; } // Comments
public string AdditionalAuthors { get; set; } // Additional Authors
public string Version { get; set; } // Version
public string SensitivityCode { get; set; } // Sensitivity Code
public int SensitivityCodeID { get; set; } // Sensitivity Code ID
}

```

4.10.2 JSON Example

```

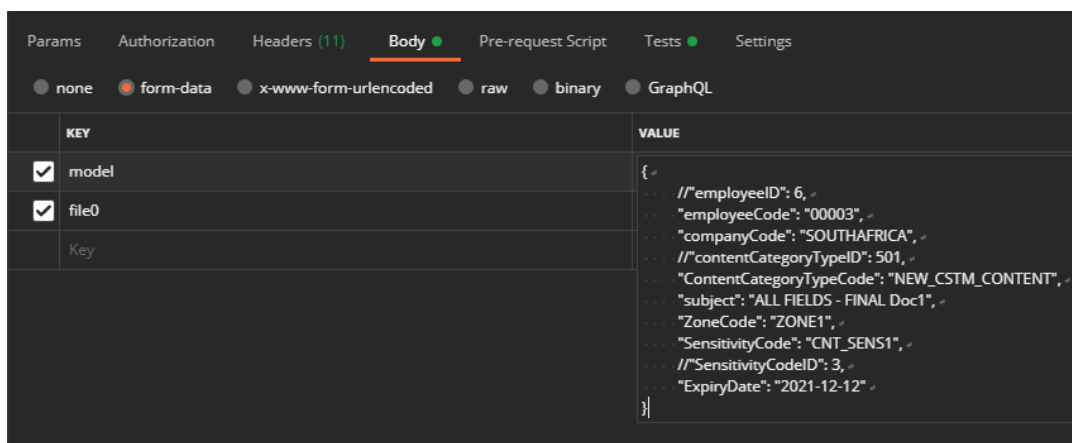
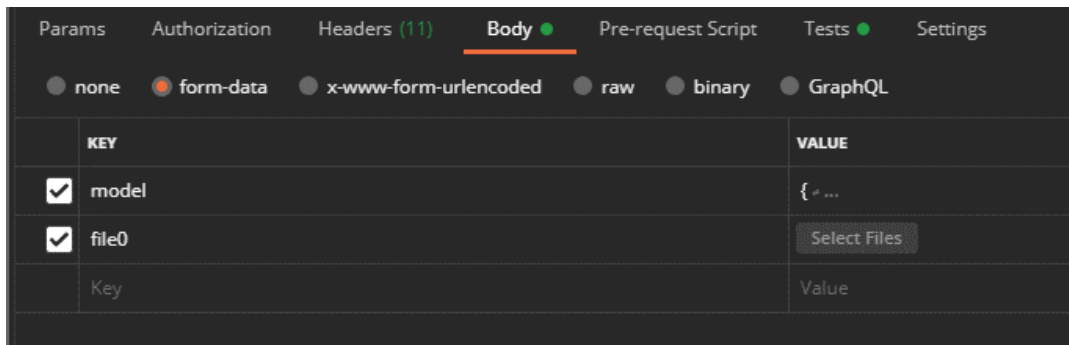
{
  "EmployeeCode": "006",
  "CompanyCode": "001",
  "CompanyRuleCode": "P_MONTH",
  "ContentCategoryTypeCode": "CONTENT",
  "Subject": "Some Example Subject",
  "ZoneCode": "ZON",
  "SensitivityCode": "SEN"
}

```

Note:

API Body is not standard RAW JSON but in a FORM-DATA Model

Postman Example:



4.10.3 Header Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/DOCUMENT

Additional Information:

Single attachment only per transaction

4.11 Re-Instate Employee

4.11.1 Data Models

```
public class EmployeeReinstateModel : PayrollBaseModel
{
    public DateTime? DateEngaged { get; set; } // Date Engaged
    public bool ReinstateWithOriginalDateEngaged { get; set; } // ReInstate with Original Date Engaged
    public bool ReinstateWithNewDateEngaged { get; set; } // ReInstate with New Date Engaged
    public bool KeepPreviousPayslipFixedValues { get; set; } // Keep Previous Payslip Fixed Values
    public char CurrentPeriod { get; set; } // Current Period

    public string ReferenceNumber { get; set; } // Reference Number
}

public class PayrollBaseModel : APIBaseModel
{
    public int EmployeeID { get; set; } // Employee ID in Sage 300 (Alternatively
Use EmployeeCode + (CompanyRuleCode or CompanyCode))
    public string EmployeeCode { get; set; } // Employee Code
    public int CompanyID { get; set; } // Company ID
    public string CompanyCode { get; set; } // Company Code in Sage 300
    public string CompanyRuleCode { get; set; } // Company Rule Code in Sage 300
}
```

4.11.2 JSON Example

```
{
  "EmployeeID": 33,
  "EmployeeCode": "030",
  "CompanyID": 1,
  "CompanyCode": "001",
  "CompanyRuleCode": "P_WEEKLY",
  "ReinstateWithOriginalDateEngaged": false,
  "ReinstateWithNewDateEngaged": true,
  "KeepPreviousPayslipFixedValues": true
}
```

4.11.3 Header Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/REINSTATE

4.12 Update 'Reports To' on Employee and Position

4.12.1 Data Models

4.12.1.1 Report To Employee

```
public class UpdateEmployeeReportsToModel
{
    public string FromCompanyCode { get; set; }
    public string EmployeeCode { get; set; }
    public string ToCompanyCode { get; set; }
    public string ReportsToCode { get; set; }
}
```

4.12.1.2 Report To Position

```
public class UpdateReportToPositionModel: APIBaseModel
{
    public string FromCompanyCode { get; set; }
    public string PositionCode { get; set; }
    public string ToCompanyCodeString { get; set; }
    public string ReportsToCode { get; set; }
    public string Priority { get; set; }
}
```

4.12.2 JSON Example

4.12.2.1 Report To Employee

```
{
  "FromCompanyCode": "RSA_1",
  "EmployeeCode": "EMP0001",
  "ToCompanyCode": "RSA_2",
  "ReportsToCode": "MNG0002"
}
```

4.12.2.2 Header Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/REPORTSTOEMP

4.12.2.3 Report to Position

```
{
  "FromCompanyCode": "SOUTHAFRICA",
  "PositionCode": "POS001",
  "ToCompanyCodeString": "SOUTHAFRICA",
  "ReportsToCode": "MNGPOS2",
  "Priority": "2"
}
```

4.12.2.4 Header Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/REPORTTOPOS

4.13 Employee Permits

4.13.1 Data Models

```

public class EmployeePermitModel : APIBaseModel
{
    public int GenEntityID { get; set; }

    public int EmployeeID { get; set; } // Employee ID in Sage 300 (Alternatively Use EmployeeCode +
    (CompanyRuleCode or CompanyCode))
    public string EmployeeCode { get; set; } // Employee Code
    public string CompanyRuleCode { get; set; } // Company Rule Code in Sage 300
    public string CompanyCode { get; set; } // Company Code in Sage 300

    public string CountryOfOriginCode { get; set; } // Country Of Origin Code
    public string IssuingAuthority { get; set; } // Issuing Authority
    public string PlaceOfIssue { get; set; } // Place Of Issue

    public DateTime? PassportIssued { get; set; } // Passport Issue Date
    public DateTime? PassportExpiry { get; set; } // Passport Expiry Date

    public bool? WorkPermit { get; set; } // Passport Expiry Date
    public string WorkPermitNumber { get; set; } // Passport Expiry Date
    public int? WorkPermitTypeID { get; set; } // Passport Expiry Date
    public DateTime? WorkPermitIssued { get; set; } // Passport Expiry Date
    public DateTime? WorkPermitExpiry { get; set; } // Passport Expiry Date

    public bool? ResidencyPermit { get; set; } // Passport Expiry Date
    public string ResidencyPermitNumber { get; set; } // Passport Expiry Date
    public DateTime? ResidencyPermitIssued { get; set; } // Passport Expiry Date
    public DateTime? ResidencyPermitExpiry { get; set; } // Passport Expiry Date

    public bool? AsylumSeekerPermit { get; set; } // Passport Expiry Date
    public string AsylumSeekerPermitNumber { get; set; } // Passport Expiry Date
    public DateTime? AsylumSeekerPermitIssued { get; set; } // Passport Expiry Date
    public DateTime? AsylumSeekerPermitExpiry { get; set; } // Passport Expiry Date

    public bool? RefugeePermit { get; set; } // Passport Expiry Date
    public string RefugeePermitNumber { get; set; } // Passport Expiry Date
    public DateTime? RefugeePermitIssued { get; set; } // Passport Expiry Date
    public DateTime? RefugeePermitExpiry { get; set; } // Passport Expiry Date

    public string Comment { get; set; } // Passport Expiry Date
}

```

4.13.2 JSON Example

```

{
  "EmployeeCode": "003",
  "CompanyID": 1,
  "CompanyCode": "001",
  "CountryOfOriginCode": "ZAF",
  "IssuingAuthority": "example",
  "PlaceOfIssue": "example",
  "PassportIssued": "2020/08/16",
  "PassportExpiry": "2020/08/16",
  "workPermit": true,
  "workPermitNumber": 555,
  "workPermitTypeID": 1,
  "workPermitIssued": "2020/08/16",
  "workPermitExpiry": "2021/08/16",
  "ResidencyPermit": true,
  "ResidencyPermitNumber": 444,
  "ResidencyPermitIssued": "2020/08/16",
  "ResidencyPermitExpiry": "2021/08/16",
  "AsylumSeekerPermit": true,
  "AsylumSeekerPermitNumber": 333,
  "AsylumSeekerPermitIssued": "2020/08/16",
  "AsylumSeekerPermitExpiry": "2021/08/16",
  "RefugeePermit": true,
  "RefugeePermitNumber": 222,
  "RefugeePermitIssued": "2020/08/16",
  "RefugeePermitExpiry": "2021/08/16",
  "comment": null
}

```

Note: cannot send trough both Asylum seeker Permit and Refugee Permit.

4.13.3 Headers Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/PERMIT
Update	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/PERMIT/U
Delete	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/PERMIT/D

4.14 Add and Manage Family Members (Entity Relationship)

4.14.1 Data Models

```

public class GenEntityRelModel : APIBaseModel
{
    public int? GenEntityID { get; set; } // Primary Entity ID

    public int EmployeeID { get; set; } // Employee ID in Sage 300 (Alternatively Use EmployeeCode +
    (CompanyRuleCode or CompanyCode))

    public string EmployeeCode { get; set; } // Employee Code
    public string CompanyRuleCode { get; set; } // Company Rule Code in Sage 300
    public string CompanyCode { get; set; } // Company Code in Sage 300

    public string EntityCode { get; set; } // Secondary Entity
    public int? RelEntityID { get; set; } // Secondary Entity ID

    public string EntityRelType { get; set; } // Relationship Type
    public int? GenEntityRelTypeID { get; set; } // Relationship Type ID (read only)
}

```

```

public bool EmergencyContact { get; set; }           // Emergency Contact
public int EmergencyContactDetail { get; set; }      // Emecy Contact Detail (read only)
                                                    // Emergency Contact Number = Cell Number of Child gen entity

public DateTime? RelationshipDate { get; set; }      // Relationship Date
public bool? Beneficiary { get; set; }              // Beneficiary (read only)

public int? EntityRelationshipID { get; set; }       // Entity Relationship ID (read only)

```

4.14.2 JSON Example

```

{
  // "GenEntityRelID": 10,                // Relationship ID used for update
  "EmployeeCode": "001",                 // Employee Code
  "CompanyCode": "001",                  // Company Code in Sage 300
  "CompanyRuleCode": "P_MONTH",          // Company Rule Code in Sage 300
  "EntityRelType": "TRUSTREL",           // relationship type code
  "EntityCode": "17",                   // Secondary/Linked Entity Code
  "EmergencyContact": false,             // Emergency contact boolean
  "RelationshipDate": "2020/09/10"
}

```

4.14.3 Headers Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/ENTITYREL
Update	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/ENTITYREL/U
Delete	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/ENTITYREL/D

4.15 Employee Qualifications

4.15.1 Data Models

```

public class QualificationTransactionModel : APIBaseModel
{
    public int EmployeeQualificationID { get; set; } // For Update only -
[EmployeeTransaction].[EmployeeTraining].[EmployeeTrainingID]

    public int EmployeeID { get; set; }             // Employee ID in Sage 300 (Alternatively Use EmployeeCode +
(CompanyRuleCode or CompanyCode))
    public string EmployeeCode { get; set; }        // Employee Code
    public string CompanyRuleCode { get; set; }     // Company Rule Code in Sage 300
    public string CompanyCode { get; set; }         // Company Code in Sage 300

    public int QualificationDictionaryID { get; set; } // Qualification Dictionary ID (Alternatively use
TrainingDictionaryCode)
    public string QualificationDictionaryCode { get; set; } // Qualification Dictionary Code

    public string Description { get; set; }         // Description
    public int? TrainingScore { get; set; }         // Training Score
    public string Comment { get; set; }             // Comment
}

```

```

    public int? InterventionProviderID { get; set; } // Intervention Provider ID (Alternatively use
InterventionProviderCode)
    public string InterventionProviderCode { get; set; } // Intervention Provider Code

    public int? InternalFacilitatorEmployeeID { get; set; } // Internal Facilitator Employee ID in Sage 300
(Alternatively Use InternalFacilitatorEmployeeCode + (InternalFacilitatorCompanyRuleCode or InternalFacilitatorCompanyCode))
    public string InternalFacilitatorEmployeeCode { get; set; } // Internal Facilitator Employee Code
    public string InternalFacilitatorCompanyRuleCode { get; set; } // Company Rule Code in Sage 300
    public string InternalFacilitatorCompanyCode { get; set; } // Company Code in Sage 300

    public int? ExternalFacilitatorID { get; set; } // External Facilitator ID (Alternatively use ExternalFacilitatorCode)
    public string ExternalFacilitatorCode { get; set; } // External Facilitator Code

    public int? InterventionResultID { get; set; } // Intervention Result ID (Alternatively use InterventionResultCode)
    public string InterventionResultCode { get; set; } // Intervention Result Code

    public DateTime? PlannedDate { get; set; } // Planned Date
    public DateTime? AttendedDate { get; set; } // AttendedDate
    public DateTime? AssessedDate { get; set; } // AssessedDate
    public DateTime? CompletedDate { get; set; } // Completed Date
    //public DateTime? TrainingExpiryDate { get; set; } // Training Expiry Date

    public int? ReasonNotCompletedID { get; set; } // Reason Not Completed ID (Alternatively use ReasonNotCompletedCode)
    public string ReasonNotCompletedCode { get; set; } // Reason Not Completed Code

    //public int? AdditionalInformationID { get; set; } // Additional Information ID (Alternatively use
AdditionalInformationCode)
    //public string AdditionalInformationCode { get; set; } // Additional Information Code

    public bool? IsLinkDevelopmentPlan { get; set; } // Is Link Development Plan
    public bool? RecordQualificationForEquity { get; set; } // Record Qualification For Equity
    public bool? AchievedPreviously { get; set; } // Achieved Previously
    public bool? RecognitionForPriorLearning { get; set; } // Recognition For Prior Learning

    //public decimal? DurationDays { get; set; } // Duration Days
    //public decimal? DurationHours { get; set; } // Duration Hours
    public decimal? DirectCost { get; set; } // Direct Cost

    public bool? IsFormalBursary { get; set; } // Is Formal Bursary
    public bool? IsCompanySponsoredBursary { get; set; } // Is Company Sponsored Bursary
    public decimal? InvestmentAmount { get; set; } // Investment Amount
    public decimal? BuyOutAmount { get; set; } // BuyOutAmount
    public DateTime? BursaryWorkBackDateFrom { get; set; } // Bursary Work Back Date From
    public DateTime? BursaryWorkBackDateTo { get; set; } // Bursary Work Back Date To

    public List<QualificationCostModel> QualificationCostList { get; set; } // Qualification Cost List

    public List<QualificationSubjectModel> QualificationSubjectList { get; set; } // Qualification Cost List

    public List<DocumentsModel> Documents { get; set; } // Collection to Add Documents to the Leave Transaction(See DocumentsModel
for Detailss)
}

```

```

public class QualificationCostModel
{
    public int? EmployeeQualificationCostID { get; set; }          // For Update only -
[EmployeeTransaction].[EmployeeQualificationCostRel].[EmployeeQualificationCostRelID]

    public int InterventionCostID { get; set; }                  // Intervention Cost ID (Alternatively use InterventionCostCode)
    public string InterventionCostCode { get; set; }              // Intervention Cost Code
    public decimal? Cost { get; set; }                           // Cost
}

public class QualificationSubjectModel
{
    public int? EmployeeQualificationSubjectID { get; set; }      // For Update only -
[EmployeeTransaction].[EmployeeQualificationSubject].[EmployeeQualificationSubjectID]

    public int? InterventionSubjectDictionaryID { get; set; }     // Intervention Subject DictionaryID (Alternatively use
InterventionSubjectDictionaryCode)
    public string InterventionSubjectDictionaryCode { get; set; } // Intervention Subject Dictionary Code

    public string InterventionSubjectCode { get; set; }           // Intervention Subject Code
    public string InterventionSubjectShortDescription { get; set; } // Intervention Subject Short Description
    public string InterventionSubjectLongDescription { get; set; } // Intervention Subject Long Description

    public decimal? DirectCost { get; set; }                     // Direct Cost
    public string InterventionDescription { get; set; }           // Intervention Description
    public string UnitStandardCode { get; set; }                 // Unit Standard Code
    public string UnitStandardTitle { get; set; }                // Unit Standard Title

    public int? InterventionNQFLevelID { get; set; }              // Intervention NQF LevelID (Alternatively use
InterventionNQFLevelCode)
    public string InterventionNQFLevelCode { get; set; }          // InterventionNQFLevelCode

    public int? InterventionLevelID { get; set; }                 // Intervention Level ID (Alternatively use InterventionLevelCode)
    public string InterventionLevelCode { get; set; }             // Intervention Level Code

    public string AccreditationNumber { get; set; }              // Accreditation Number
    public int? NQFCredits { get; set; }                         // NQF Credits
    public int? InformalCredits { get; set; }                    // Informal Credits

    public int? InterventionLearningModeID { get; set; }          // Intervention Learning Mode ID (Alternatively use
InterventionLearningModeCode)
    public string InterventionLearningModeCode { get; set; }      // Intervention Learning Mode Code

    public int? InterventionLearningDescriptionID { get; set; }   // Intervention Learning Description ID (Alternatively use
InterventionLearningDescriptionCode)
    public string InterventionLearningDescriptionCode { get; set; } // Intervention Learning Description Code

    public int? InterventionTypeOfLearningID { get; set; }        // Intervention Type Of Learning ID (Alternatively use
InterventionTypeOfLearningCode)
    public string InterventionTypeOfLearningCode { get; set; }    // Intervention Type Of Learning Code

```

```

public int? ResultID { get; set; }           // ResultID ID (Alternatively use ResultCode)
public string ResultCode { get; set; }      // Result Code

public int? Score { get; set; }             // Score
public DateTime? DateCompleted { get; set; } // Date Completed
}

```

4.15.2 JSON Example

```

{
  "EmployeeID": 33,
  "EmployeeCode": "030",
  "CompanyID": 1,
  "CompanyCode": "001",
  "CompanyRuleCode": "P_WEEKLY",
  "QualificationDictionaryID": 7,
  "QualificationDictionaryCode": "AC00005",
  "Description": "example description",
  "TrainingScore": 5,
  "InterventionProviderID": 2,
  "InterventionProviderCode": "VIP",
  "ExternalFacilitatorID": 1,
  "ExternalFacilitatorCode": "VIP",
  "InterventionResultID": 1,
  "InterventionResultCode": "PASSED",
  "PlannedDate": "2020/11/11",
  "DirectCost": 0.00,
  "IsCompanySponsoredBursary": true,
  "InvestmentAmount": 2000.00,
  "BuyOutAmount": 2000.00,
  "BursaryWorkBackDateFrom": "2020/11/11",
  "QualificationCostList": [{
    "InterventionCostID" : 2,
    "InterventionCostCode" : "ACCOMOD",
    "Cost" : 2000.00
  }],
  "QualificationSubjectList": [{
    "InterventionSubjectDictionaryID" : 2,
    "InterventionSubjectCode" : "BCOMACCY2",
    "InterventionSubjectShortDescription" : "BCom Accounting Year 2",
    "InterventionSubjectLongDescription" : "BCom Accounting Year 2",
    "InterventionDescription" : "All subjects comprising year 2 of formal qualification"
  }]
}

```

4.15.3 Headers Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/QUALIFICATION
Update	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/QUALIFICATION/U
Delete	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/QUALIFICATION/D

4.16 Employee Items Issued

4.16.1 Data Models

```
public class EmployeeItemsIssuedModel : APIBaseModel
{
    public int EmployeeItemsIssuedID { get; set; }           // For Update only

    public int EmployeeID { get; set; }                     // Employee ID in Sage 300 (Alternatively Use EmployeeCode +
    (CompanyRuleCode or CompanyCode))

    public string EmployeeCode { get; set; }                // Employee Code
    public string CompanyRuleCode { get; set; }             // Company Rule Code in Sage 300
    public string CompanyCode { get; set; }                 // Company Code in Sage 300

    public DateTime DateIssuedToEmployee { get; set; }      // Date Issued To Employee
    public int TypeOfItemID { get; set; }                   // Type Of Item ID
    public string TypeOfItem { get; set; }                  // Type Of Item
    public int DescriptionOfItemID { get; set; }             // Description Of Item ID
    public string DescriptionOfItem { get; set; }            // Description Of Item
    public int Quantity { get; set; }                       // Quantity
    public string StockNumber { get; set; }                 // Stock Number
    public string SerialNumber { get; set; }                // Serial Number
    public string AssetNumber { get; set; }                 // Asset Number
    public string CommentsOnIssue { get; set; }             // Comments On Issue
    public string CommentsOnReturn { get; set; }            // Comments On Return
    public string ItemIssuedByEmployee { get; set; }        // Item Issued By Employee
    public Decimal EmployeePaidAnAmount { get; set; }       // Employee Paid An Amount
    public Boolean ItemMustBeReturned { get; set; }         // Item Must Be Returned

    // Validation applicable to next fields: Only available if Item Must be Returned is selected

    public string ItemReturnSetting { get; set; }           // Item Return Setting
    public DateTime DateToBeReturned { get; set; }          // Date To Be Returned
    public DateTime ActualReturnDate { get; set; }          // Actual Return Date
    public string ReturnedToEmployee { get; set; }          // Returned To Employee
    public int ConditionOfReturnedItemID { get; set; }      // Condition Of Returned Item ID
    public string ConditionOfReturnedItem { get; set; }     // Condition Of Returned Item
}
}
```

4.16.2 JSON Example

```
{
  "EmployeeCode": "004",
  "CompanyCode": "001",
  "CompanyRuleCode": "P_MONTH",
  "DateIssuedToEmployee": "2021-01-15T00:00:00",
  "TypeOfItem": "GENERAL",
  "DescriptionOfItem": "ACCESS",
  "Quantity": 1,
  "StockNumber": "001",
}
```

```

"SerialNumber": "001",
"AssetNumber": "001",
"CommentsOnIssue": "example",
"CommentsOnReturn": "example",
"ItemIssuedByEmployee": "001",
"EmployeePaidAnAmount": 10.0,
"ItemMustBeReturned": true,
"ItemReturnSetting": "TM",
"DateToBeReturned": "2021-01-25T00:00:00",
"ActualReturnDate": "2021-01-25T00:00:00",
"ReturnedToEmployee": "001",
"ConditionOfReturnedItem": "NEW"
}

```

4.16.3 Headers Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/ITEMSISSUED
Update	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/ITEMSISSUED/U
Delete	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/ITEMSISSUED/D

4.17 Employee Link Medical Aid Plan

4.17.1 Data Models

```

public class EmployeeMedicalAidModel : PayrollBaseModel
{
    //public int EmployeeID { get; set; } // Employee ID in Sage 300 (Alternatively Use
EmployeeCode + (CompanyRuleCode or CompanyCode))
    //public string EmployeeCode { get; set; } // Employee Code
    //public string CompanyRuleCode { get; set; } // Company Rule Code in Sage 300
    //public string CompanyCode { get; set; } // Company Code in Sage 300

    public int? MedicalAidProvider { get; set; } // Medical Aid Provider only used for GET

    public string OptionType { get; set; } // Option Type only used for GET
    public string Code { get; set; } // Code only used for GET
    public string ShortDescription { get; set; } // Short Description only used for GET

    public int? EmployeeMedicalAidRuleID { get; set; } // Employee Medical Aid Rule ID
    public string MedicalAidRule { get; set; } // Medical Aid Rule
    public int MedicalAidRuleID { get; set; } // Looked up id of Medical Aid Rule
    public string MembershipNumber { get; set; } // Membership Number
    public string Status { get; set; } // Status

    public DateTime StartDate { get; set; } // Start Date
    public DateTime? EndDate { get; set; } // End Date

    public string AdditionalCostDescription { get; set; } // Additional Cost Description
    public decimal? AdditionalCostAmount { get; set; } // Additional Cost Amount
    public DateTime? AdditionalCostEndDate { get; set; } // Additional Cost End Date
}

```

```

    public List<MedicalAidDependantModel> MedicalAidDependants { get; set; } // Collection to Add Dependants to the medical aid
rule
}

public class MedicalAidDependantModel
{
    public int? MedicalAidRuleDependantTypeRelationshipID { get; set; } // Medical Aid Rule Dependant Type Relationship ID

    public string MedicalAidRuleDependantTypeRelationship { get; set; } // Medical Aid Rule Dependant Type Relationship

    public int? Quantity { get; set; } // Quantity
}

```

4.17.2 JSON Example

```

{
  "EmployeeCode": "001",
  "CompanyCode": "001",
  "CompanyRuleCode": "P_MONTH",
  "MedicalAidRule": "CLASCOMP",
  "MembershipNumber": "123456",
  "Status": "A",
  "StartDate": "2021-01-01T00:00:00",
  "MedicalAidDependants": [
    { "MedicalAidRuleDependantTypeRelationship": "MAIN",
      "Quantity": 1 },
    { "MedicalAidRuleDependantTypeRelationship": "ADULT",
      "Quantity": 1 },
    { "MedicalAidRuleDependantTypeRelationship": "CHILD",
      "Quantity": 1 },
    { "MedicalAidRuleDependantTypeRelationship": "FREECHILD",
      "Quantity": 1 }
  ]
}

```

4.17.3 Headers Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/MEDICALAID
Update	POST	http://{HostName}:{APIPort}/api/apibase/Header/MEDICALAID/U
Delete	POST	http://{HostName}:{APIPort}/api/apibase/Header/MEDICALAID/D

4.18 Employee Increases

4.18.1 Data Models

```

public class EmployeeIncreaseModel : PayrollBaseModel
{
    public List<IncreaseModel> TransactionValues { get; set; }

    public EmployeeIncreaseModel()
    {
        TransactionValues = new List<IncreaseModel>();
    }
}

public class IncreaseModel : APIBaseModel
{
    public int? IncreaseHistoryId { get; set; } // PK of Increase history
    public string IncreaseAppliedOn { get; set; } // enum (A, P, R, D),
    public DateTime? EffectiveDate { get; set; } // Effective Date
    public DateTime? IncreaseProcessedDate { get; set; } // Company Code in Sage 300
}

```

```

public int? IncreaseReasonTypeID { get; set; }           // FK To increase Type
public string IncreaseReasonTypeCode { get; set; }      // Code
public decimal IncreaseAmount { get; set; }            // Company Code in Sage 300
public decimal IncreasePercentage { get; set; }         // Company Code in Sage 300
public decimal PreviousChargeOutRate { get; set; }      // Company Code in Sage 300
public decimal? ChargeOutRate { get; set; }            // Chargout rate
public int AuthorisedBy { get; set; }                  // Company Code in Sage 300
}

```

4.18.2 JSON Example

Create

```

{
  "EmployeeCode": "002",
  "CompanyCode": "001",
  "CompanyRuleCode": "P_MONTH",
  "TransactionValues": [
    {
      "EffectiveDate": "2015-01-01", // Which Date must the Increase become active (Null = Default to Period Start Date)
      "IncreasePercentage": 5.00, // Amount or Percentage, not both
      "IncreaseAppliedOn": "A", // (A - Annual Salary, P - Period Salary, R - Rate per Hour, D - Rate per Day)
      "IncreaseReasonTypeID": 1001, // ID or Code
      "ChargeOutRate": null
    }
  ]
}

```

Update

```

{
  "EmployeeCode": "002",
  "CompanyCode": "001",
  "CompanyRuleCode": "P_MONTH",
  "TransactionValues": [
    {
      "IncreasePercentage": 10.00, // Amount or Percentage, not both
      "IncreaseHistoryId": 228 // Use for Update / Delete
    }
  ]
}

```

Delete

```

{
  "EmployeeCode": "002",
  "CompanyRuleCode": "P_MONTH",
  "TransactionValues": [
    {
      "IncreaseHistoryId": 68 // Use for Update / Delete
    }
  ]
}

```

Note: Increases will be applied in current and future periods. The increase take on batch to be used for history transactions. Only one increase permitted per employee, per header. Multiple increases per employee will be available in a future release.

4.18.3 Headers Available

Style	Command	Example URL
Create	POST	http://{HostName}:{APIPort}/api/apibase/Header/INCREASE
Update	POST	http://{HostName}:{APIPort}/api/apibase/Header/ INCREASE/U
Delete	POST	http://{HostName}:{APIPort}/api/apibase/Header/ INCREASE/D

4.19 Employee Position Transfer

4.19.1 Data Models

```
public class EmployeePositionTransferModel : PayrollBaseModel
{
    // These are included in the base class
    //public string EmployeeCode { get; set; }
    //public int EmployeeId { get; set; }
    //public string CompanyCode { get; set; }
    //public int CompanyId { get; set; }
    //public string CompanyRuleCode { get; set; }

    public int CompanyRuleID { get; set; }
    public string CurrentPositionCode { get; set; }
    public int CurrentPositionID { get; set; }
    public int TransferReasonID { get; set; }
    public string TransferReason { get; set; }
    public DateTime CurrentPositionEndDate { get; set; }
    public int CurrentPositionReasonID { get; set; }
    public string CurrentPositionReason { get; set; }

    public EmployeePositionsListModel NewPosition { get; set; }
}
```

```
public class EmployeePositionsListModel
{
    public DateTime StartDate { get; set; }
    public int NewPositionID { get; set; }
    public string NewPositionCode { get; set; }
    public int PositionReasonID { get; set; }
    public string PositionReason { get; set; }
}
```

4.19.2 JSON Example

```
{
  "CompanyCode" : "001",
  "CompanyRuleCode" : "P_MONTH",
  // "CurrentPositionCode" : "A0200001",
  "CurrentPositionEndDate": "2021/01/01",
  "CurrentPositionReason" : "P",
  "TransferReason" : "IM",
  "EmployeeCode" : "020",
  "NewPosition" : {
    "NewPositionCode" : "CAM15",
    "PositionReason" : "P",
    "StartDate": "2021/01/01",
  }
}
```

Note: Only transfer of primary positions are permitted. API cannot be used to link to new positions or to unlink existing positions.

4.19.3 Headers Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/POSITIONTRANS

4.20 Generic GET

Refer to the 21.2.3.0 release notes for the Sage 300 People setup

4.20.1 Headers Available

Style	Command	Example URL
Create	POST	http://{{HostName}}:{{APIPort}}/api/apibase/Header/GENERICGET/{{GenGetCode}}