

# Eco Time - Sage API – Sage Configuration Requirements

(Updated 28 October 2024)

## API Setup for Sage consultant to set up

1. The Sage screens below need to be configured.
2. The Sage API configuration is setup under the Utilities' API Section



API Key ID	Description	Authenticate Using Key Only	Comment	VP User	Status
907666bd-c58d-4231-b93e-b32ebcd90471	BIS	<input checked="" type="checkbox"/>			BIS - BIS A - Active

## 3. Set API Key Access

Display	Access
<input checked="" type="checkbox"/> BIS (907666bd-c58d-4231-b93e-b32ebcd90471)	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cancel Leave	<input type="checkbox"/>
<input checked="" type="checkbox"/> Document Upload	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Employee	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> EmployeeReinstate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Entity Relationship	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Generic Get	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Get	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Job Costing Input	<input type="checkbox"/>
<input checked="" type="checkbox"/> Leave	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Medical Aid	<input type="checkbox"/>
<input checked="" type="checkbox"/> Payslip Definition	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Payslip Line Amount	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Permit	<input type="checkbox"/>
<input checked="" type="checkbox"/> Position Transfer	<input type="checkbox"/>
<input checked="" type="checkbox"/> Qualification	<input type="checkbox"/>
<input checked="" type="checkbox"/> Reports To Employee	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Reports To Position	<input type="checkbox"/>
<input checked="" type="checkbox"/> Training	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Transaction Code Input	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Create	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Process	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Validate	<input checked="" type="checkbox"/>

#### 4. Create Generic Get API's - For Leave and Employee Data.

Code	Short Description	Long Description	Status	Comment	API Key
EMPLOYEE_DETAIL	Employee Detail	Employee Detail	A		
LEAVE_TYPES	Leave Types	Leave Types	A		
LEAVE_DETAIL_1	Leave Detail 1 Month	Leave Detail 1 Month	A	1 months Back	
LEAVE_DETAIL_3	Leave Detail 3 Months	Leave Detail 3 Months	A	3 months Back	
LEAVE_DETAIL_12	Leave Detail 12 Months	Leave Detail 12 Months	A	12 months Back	
COMPANY_DETAILS	Company Details	Company Details	A		
EARNING_DEF	Earning Definitions	Earning Definitions	A		
EMP_DETAIL_1	Employee Detail 1 Month	Employee Detail 1 Month	A	1 months Back	
EMP_DETAIL_3	Employee Detail 3 Months	Employee Detail 3 Months	A	3 months Back	
EMP_DETAIL_12	Employee Detail 12 Months	Employee Details 12 Months	A	12 months Back	

#### 5. Generic Get API Detail Queries

API Key Id	Description	Authenticate Using Key Only	Comment	VP User	Status
991 - EMPLOYEE		<input checked="" type="checkbox"/>		591 - EMP	A - Active

##### a. Code - EMPLOYEE\_DETAIL

Query - Select \* From Employee.EmployeeDetail

API Administration	API Keys	Generic Get API	Generic Get API Detail
Query Information			
Code	EMPLOYEE_DETAIL	Status	A - Active
Short Description	Employee Detail	API Key	991
Long Description	Employee Detail	Comment	
Query Information			
Employee Prefix	Employee Rule Prefix		
Select * From Employee.EmployeeDetail			

##### b. Code - LEAVE\_TYPES

Query - Select \* From Leave.LeaveDef

API Administration	API Keys	Generic Get API	Generic Get API Detail
Query Information			
Code	LEAVE_TYPES	Status	A - Active
Short Description	Leave Types	API Key	991
Long Description	Leave Types	Comment	
Query Information			
Employee Prefix	Employee Rule Prefix		
Select * From Select * From Leave.LeaveDef			

##### c. Code - LEAVE\_DETAIL\_1 (1 months Back)

Query - SELECT \* FROM Leave.LeaveDetail WHERE LastChanged >= DATEADD(Month, -1, getdate())

API Administration	API Keys	Generic Get API	Generic Get API Detail
Query Information			
Code	LEAVE_DETAIL_1	Status	A - Active
Short Description	Leave Detail	API Key	991
Long Description	Leave Detail	Comment	1 months Back
Query Information			
Employee Prefix	Employee Rule Prefix		
SELECT * FROM Leave.LeaveDetail WHERE LastChanged >= DATEADD(Month, -1, getdate())			

##### d. Code - LEAVE\_DETAIL\_3 (3 months Back)

Query - SELECT \* FROM Leave.LeaveDetail WHERE LastChanged >= DATEADD(Month, -3, getdate())

API Administration	API Keys	Generic Get API	Generic Get API Detail
Query Information			
Code	LEAVE_DETAIL_3	Status	A - Active
Short Description	Leave Detail	API Key	991
Long Description	Leave Detail	Comment	3 months Back
Query Information			
Employee Prefix	Employee Rule Prefix		
SELECT * FROM Leave.LeaveDetail WHERE LastChanged >= DATEADD(Month, -3, getdate())			

##### e. Code - LEAVE\_DETAIL\_12 (12 months Back)

Query - SELECT \* FROM Leave.LeaveDetail WHERE LastChanged >= DATEADD(Month, -12, getdate())

API Administration	API Keys	Generic Get API	Generic Get API Detail
Query Information			
Code	LEAVE_DETAIL_12	Status	A - Active
Short Description	Leave Detail	API Key	991
Long Description	Leave Detail	Comment	12 months Back
Query Information			
Employee Prefix	Employee Rule Prefix		
SELECT * FROM Leave.LeaveDetail WHERE LastChanged >= DATEADD(Month, -12, getdate())			

##### f. Code - COMPANY\_DETAILS

Query - Select \* From Company.Company

API Administration	API Keys	Generic Get API	Generic Get API Detail
Query Information			
Code	COMPANY_DETAILS	Status	A - Active
Short Description	Company Details	API Key	991
Long Description	Company Details	Comment	
Query Information			
Employee Prefix	Employee Rule Prefix		
Select * From Company.Company			

### g. Code - EARNING\_DEF

Query - Select \* From Payroll.EarningDef

API Administration			
API Keys		Generic Get API Detail	
Query Information			
Code	EARNING_DEF	Status	A - Active
Short Description	Earning Definitions	API Key	9898
Long Description	Earning Definitions	Comment	
Query Information			
Employee Prefix		Employee Rule Prefix	
Select * From Payroll.EarningDef			

### h. Code - EMP\_DETAIL\_1 (1 months Back)

Query - SELECT \* FROM Employee.EmployeeDetail LEFT JOIN Employee.EmployeeHistory ON Employee.EmployeeDetail.employeeId = Employee.EmployeeHistory.employeeId WHERE LastChanged >= DATEADD(Month, -1, getdate())

API Administration			
API Keys		Generic Get API Detail	
Query Information			
Code	EMP_DETAIL_1	Status	A - Active
Short Description	Employee Detail	API Key	9898
Long Description	Employee Detail	Comment	1 months Back
Query Information			
Employee Prefix		Employee Rule Prefix	
SELECT * FROM Employee.EmployeeDetail LEFT JOIN Employee.EmployeeHistory ON Employee.EmployeeDetail.employeeId = Employee.EmployeeHistory.employeeId WHERE LastChanged >= DATEADD(Month, -1, getdate())			

### i. Code - EMP\_DETAIL\_3 (3 months Back)

Query - SELECT \* FROM Employee.EmployeeDetail LEFT JOIN Employee.EmployeeHistory ON Employee.EmployeeDetail.employeeId = Employee.EmployeeHistory.employeeId WHERE LastChanged >= DATEADD(Month, -3, getdate())

API Administration			
API Keys		Generic Get API Detail	
Query Information			
Code	EMP_DETAIL_3	Status	A - Active
Short Description	Employee Detail	API Key	9898
Long Description	Employee Detail	Comment	3 months Back
Query Information			
Employee Prefix		Employee Rule Prefix	
SELECT * FROM Employee.EmployeeDetail LEFT JOIN Employee.EmployeeHistory ON Employee.EmployeeDetail.employeeId = Employee.EmployeeHistory.employeeId WHERE LastChanged >= DATEADD(Month, -3, getdate())			

### j. Code - EMP\_DETAIL\_12 (12 months Back)

Query - SELECT \* FROM Employee.EmployeeDetail LEFT JOIN Employee.EmployeeHistory ON Employee.EmployeeDetail.employeeId = Employee.EmployeeHistory.employeeId WHERE LastChanged >= DATEADD(Month, -12, getdate())

API Administration			
API Keys		Generic Get API Detail	
Query Information			
Code	EMP_DETAIL_12	Status	A - Active
Short Description	Employee Detail 12 Months	API Key	9898
Long Description	Employee Details 12 Months	Comment	12 months Back
Query Information			
Employee Prefix		Employee Rule Prefix	
SELECT * FROM Employee.EmployeeDetail LEFT JOIN Employee.EmployeeHistory ON Employee.EmployeeDetail.employeeId = Employee.EmployeeHistory.employeeId WHERE LastChanged >= DATEADD(Month, -12, getdate())			

### k. Code - PAY\_RUNS

Query - SELECT \* FROM Company.PayRun

API Administration			
API Keys		Generic Get API Detail	
Query Information			
Code	PAY_RUNS	Status	A - Active
Short Description	Payrun Details	API Key	9898
Long Description	Payrun Details	Comment	Payrun Details
Query Information			
Employee Prefix		Employee Rule Prefix	
SELECT * FROM Company.PayRun			

- I. Transaction codes for Payroll Codes (Earning Codes).
  - a. The Sage Api used the Transaction Code Input (api/apibase/Header/TXCODEINPUT) method to update an employee earning units which in Eco case represents hours.
  - b. It utilises the functionality of the Transaction Code Linking setup on the Payroll Definition type of the Company Rule.
  - c. A transaction code has to be linked for this functionality to be used.

- d. See screen grabs below for reference.
- e. This is an example only. The payroll codes must match that of the company's payroll codes being configured.

#### Payroll Lines

Code	Short Description	Long Description
th Africa (Pty) Ltd		
SALARY	Salary	Salary
WAGES	Wages	Wages
OT_1_5	Overtime 1.5	Overtime 1.5
OT_2_0	Overtime 2.0	Overtime 2.0
SUNDAY_1_5	Sunday 1.5	Sunday 1.5
OT_PPH	Overtime Paid ...	Overtime Paid ...
NIGHT_WORK	Night Work	Night Work

#### Transaction Codes

SALARY
WAGES
OT_1_5
OT_2_0
SUNDAY_1_5
OT_PPH
NIGHT_WORK