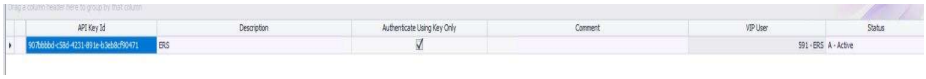
Eco Time - Sage API – Sage Configuration Requirements

(Updated 26 June 2026)

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





3. Set API Key Access



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	VIP User	Status
[redacted]		☑		591 -	A - Active

a. Code - EMPLOYEE_DETAIL

Query - Select * From Employee.EmployeeDetail



b. Code - LEAVE_TYPES

Query - 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())



d. Code - LEAVE_DETAIL_ 3 (3 months Back)

Query - 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())



f. Code - COMPANY_DETAILS

Query - Select * From Company.Company



g. Code - EARNING_DEF

Query - Select * From Payroll.EarningDef



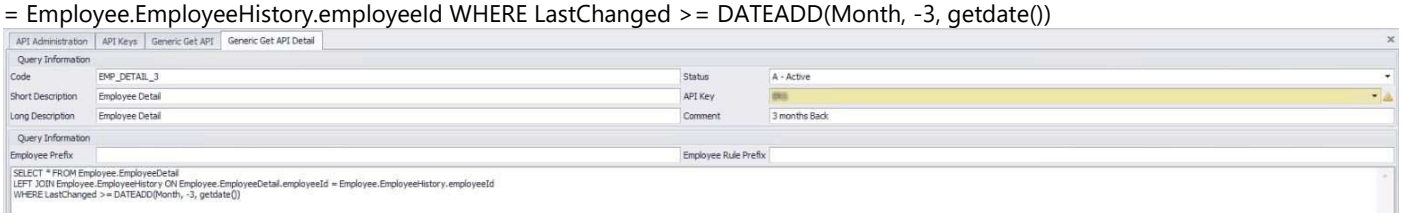
h. Code - EMP_DETAIL_1 (1 months Back)

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



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())



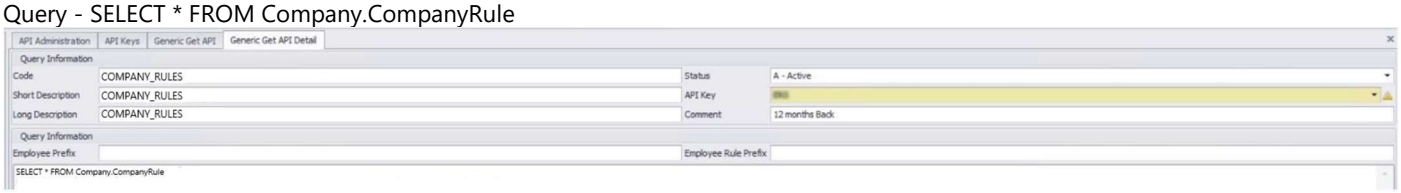
j. Code - EMP_DETAIL_12 (12 months Back)

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



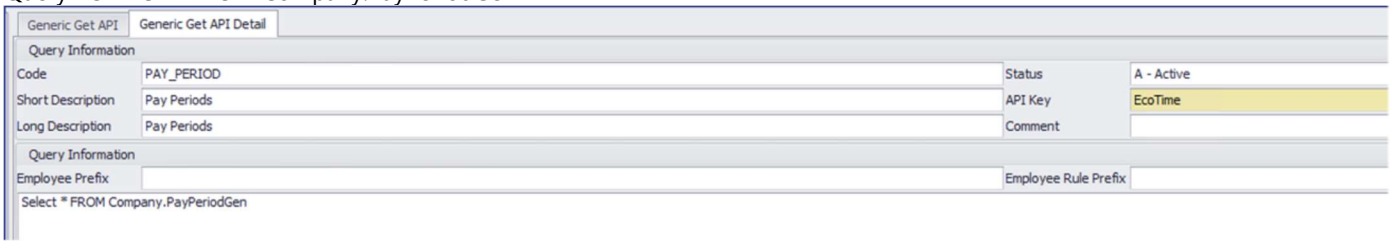
k. Code - COMPANY_RULES

Query - SELECT * FROM Company.CompanyRule



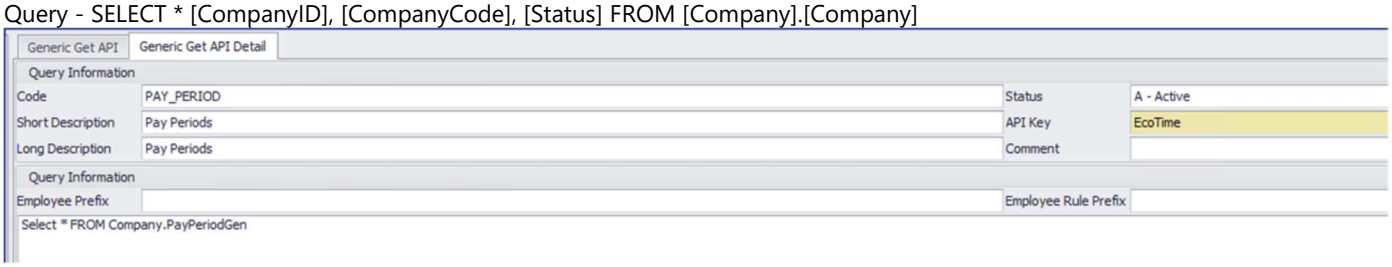
l. Code – PAY_PERIOD

Query - SELECT * FROM Company.PayPeriodGen



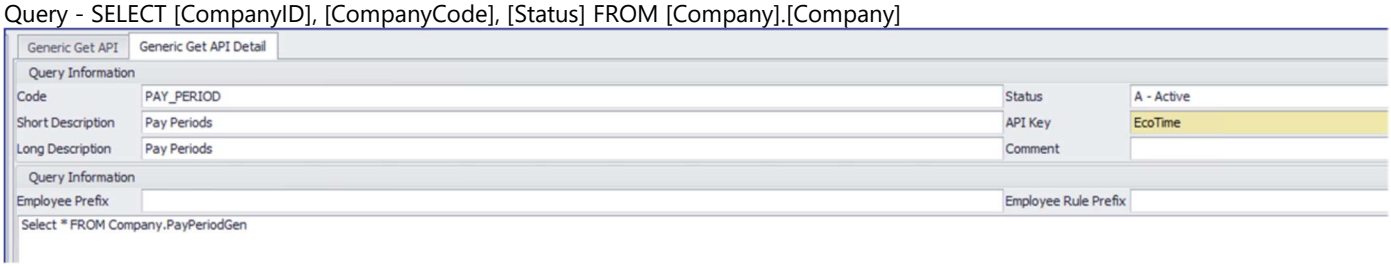
m. Code – COMPANY_ID

Query - SELECT * [CompanyID], [CompanyCode], [Status] FROM [Company].[Company]



n. Code – COMPANY_ID_COND

Query - SELECT [CompanyID], [CompanyCode], [Status] FROM [Company].[Company]



o. Code – PAY_RUNS

Query - SELECT * FROM Company.PayRun



6. 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_PHH
NIGHT_WORK