

## Business One in Action – Automatic Employee Internal ID



### Applies to:

SAP Business One, [Migration and Optimisation](#), [Customization](#), [General Migration and Optimisation](#), [General Logistics](#)

### Summary:

This article demonstrates a quick way of creating internal employee IDs. It also ensures that the employee ID is set at the time of creation of each employee master data.

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### Author Bio:

Murielle Saliber joined SAP in 2002 and is currently active as Senior Support Consultant for SAP Business One. She has worked as both technical and business consultant. She answered partners' enquiries during the Expert-on-Phone project, where she consulted on mainly logistics, administrative, printing and data migratory topics.

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## Automatic Employee Internal ID

In Hop Island Company, the security access measures are based on the Employee Internal ID (EII). The access and authorisations differ according to the employee's position and also the type of Contract.

The current numbering of the Employee Master Data does not allow customisation. However, it is important to keep the EII with each employee details.

The employee number is composed of the first letter from their type of contract plus an Integer number. It should be created when the employee master data is created.

In order to do achieve this in SAP Business One, it is necessary to create 2 User Defined Fields (UDF).

Category	Title	Description	Type	Dflt	Mand.	Index	Linked Table
▼ Employees					<input type="checkbox"/>	<input type="checkbox"/>	
▼ Employees					<input type="checkbox"/>	<input type="checkbox"/>	
	Contract	Contract	Alphanumeric (12)		<input type="checkbox"/>	<input type="checkbox"/>	
	EmplntId	Employee internal ID	Alphanumeric (20)		<input type="checkbox"/>	<input type="checkbox"/>	

The first UDF has the predefined value for the type of Contract.

**Field Data**

Title: Contract Description: Contract

Type: Alphanumeric Length: 12

Structure: Regular

Set Valid Values for Field

#	Value	Description
1	Perm	Permanent
2	Temp	Temporary

New Delete

The second one is to hold the EII.

**Field Data**

Title: EmplntId Description: Employee internal ID

Type: Alphanumeric Length: 20

Structure: Regular

Set Valid Values for Field

The following query is then created to provide the calculation creation of the EII.

```

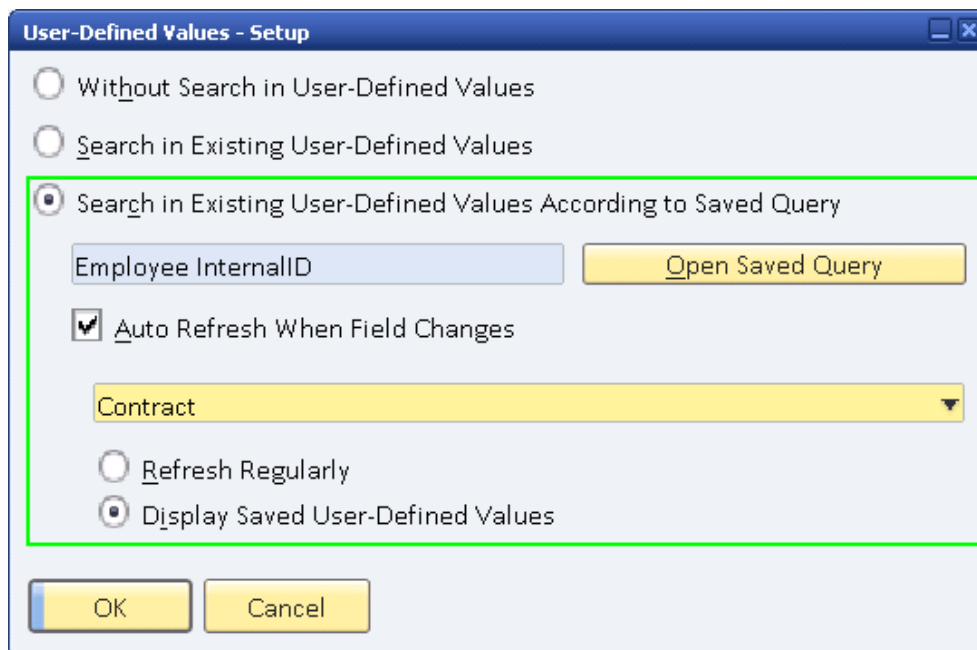
/* Following query creates the Employee ID based on the contract type and the
last Employee ID.
The first substring takes the 2 First characters of the Employee ID for
the given contract.
The second substring takes the numeric value of the last Employee ID and
adds 1. The result is then converted to varchar to be concatenated with the
first substring.*/

SELECT
    substring ((MAX(T0.[U_EmpIntId])), 0,3)
+
    cast ((Substring ((MAX( T0.[U_EmpIntId] )),3,6)+1) AS varchar(20))
FROM
    OHEM T0
WHERE
    T0.[U_Contract] =${OHEM.U_Contract}

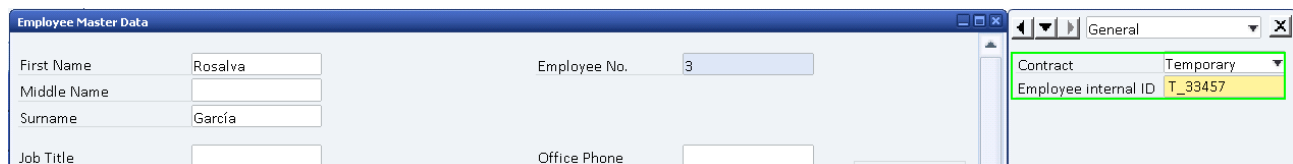
```

Note that the first number for each contract type has to be entered manually.

The query can then be used in a Formatted Search (FMS) which can be refreshed when the contract type is selected. This will ensure that the number is created on for each employee upon creation.



When selecting the contract the employee ID is automatically populated.



Please note that the query provided is a sample and it needs to be adjusted to suit the customer business needs.

## Related Contents

- [SAP Business One in Action Catalog Page](#)
- [Link to DRC](#) documentation
- Note [826816](#)
- For more information, visit the [Business One homepage](#).

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