

Database - Bug #2178

Feature # 1582 (Closed): add conversion and runtime support for sequences

Feature # 1911 (Closed): add runtime support for sequences

Asymmetric sequence behavior

09/06/2013 12:02 PM - Ovidiu Maxiniuc

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		case_num:	
billable:	No	version:	
vendor_id:	GCD		
Description			

History

#1 - 09/06/2013 12:23 PM - Ovidiu Maxiniuc

Sequences in Progress are somewhat asymmetric relatively to their increment:

- An ascending sequence will allow any value to be assigned it (as long as the value is less than its MAX-VALUE, if any), including negative numbers.
- A sequence with negative increment will automatically have an MAX-VALUE equal to its INITIAL value which will not allow values less than that to be assigned.

Ex: The following two sequences have been defined in the OE Data Dictionary without any limits.

```
ADD SEQUENCE "s1" INITIAL 100000 INCREMENT -1000 CYCLE-ON-LIMIT no MAX-VAL 100000
ADD SEQUENCE "s2" INITIAL 100000 INCREMENT 1000 CYCLE-ON-LIMIT no
```

The s1 gets automatically upper limitation. However, in the Data Dictionary the user can only set the lower bounds for a DESC sequence. As result, we have:

```
current-value(s1) = -200000. /* valid */
current-value(s1) = 200000. /* invalid, will cause error 3132 to be displayed */
current-value(s2) = -200000. /* valid */
current-value(s2) = 200000. /* valid */
```