

GENERAL

Create new entry for every new sample from Staging table [SOURCE]

CREATE new instance [TARGET(t)]

Previous (latest) entry is also needed as reference [TARGET(t-1)]

SELECT latest (TIMESTAMP) entry

See IRIS OEE Starter Pack Process Flow: "Transforming"

Structure OPC-UA DashBoard Transforming					
Identification	Field	Tag	Status Dependency	Sequence	Process Logic
	EquipmentID			100	Derived by configuration
	WorkOrder	[MachineStatus] [WerkOrder]	Status 8 OR Status 9 OR Status 10 OR Status 11 OR Status 29 OR Status 31	110	IF <NewWorkOrder> THEN TRANSFER SOURCE.WorkOrder ELSE TRANSFER TARGET(t-1).WorkOrder. ENDIF.
Time					
	TimeStampLocal			200	Derived by configuration {rounded in seconds}
	YearLocal			210	Derived by configuration {YYYY}
	MonthLocal			210	Derived by configuration {01..12 representing Calender months}
	DayLocal			210	Derived by configuration {01..31 representing Calender days}
	TimeLocal			210	Derived by configuration {HH:MM:SS}
	DayIDLocal			210	Derived by configuration {01..07 representing Mo, Tu, We,...}
Customer_MT_Points					
	MT1_1	[MT1_1]		330	TRANSFER SOURCE.MT1_1
	MT1_2	[MT1_2]		330	TRANSFER SOURCE.MT1_2
	MT1_3	[MT1_3]		330	TRANSFER SOURCE.MT1_3
	MT1_4	[MT1_4]		330	TRANSFER SOURCE.MT1_4
	MT1_5	[MT1_5]		330	TRANSFER SOURCE.MT1_5
	MT1_6	[MT1_6]		330	TRANSFER SOURCE.MT1_6
	MT1_7	[MT1_7]		330	TRANSFER SOURCE.MT1_7
	MT4_1	[MT4_1]		330	TRANSFER SOURCE.MT4_1
	MT4_2	[MT4_2]		330	TRANSFER SOURCE.MT4_2
	MT4_3	[MT4_3]		330	TRANSFER SOURCE.MT4_3
	MT4_4	[MT4_4]		330	TRANSFER SOURCE.MT4_4
	MT4_5	[MT4_5]		330	TRANSFER SOURCE.MT4_5
	MT4_6	[MT4_6]		330	TRANSFER SOURCE.MT4_6
	MT4_7	[MT4_7]		330	TRANSFER SOURCE.MT4_7
Customer_Qty_Metrics					
	UoM			540	MDTable EQUIPMENT {Unit of Measurement}
	ProducedQtyEquipment	[Yards]		500	{See LucidChart: "IRIS OEE Starter Pack Produced Quantity Determination"} TRANSFER SOURCE.Yards

	ProducedQtyOrder	[MachineStatus] [WerkOrder]	Status 8 OR Status 9 OR Status 10 OR Status 11 OR Status 29 OR Status 31	520	{Is only registerd/calculated during Line-up and Production} {See "IRIS OEE Starter Pack Produced Quantity Determination"} IF <NewWorkOrder> THEN TRANSFER 0. {Reset to 0} ELSE IF TARGET(t-1).MachineStatus = <TotalProductionStatus>. THEN ADD TARGET(t).ProducedQtyIncrement ELSE TRANSFER TARGET(t-1).ProducedQtyOrder ENDIF ENDIF
	ProducedQtyIncrement	[Yards] [VDoek] [MachineStatus] [WerkOrder]	Status 8 OR Status 9 OR Status 10 OR Status 11 OR Status 29 OR Status 31	510	{Is only registerd/calculated during Line-up and Production} {See: "IRIS OEE StarterPack Produced Quantity Determination"} IF <NewWorkOrder> THEN TRANSFER 0 {Reset to }. ELSE IF TARGET(t-1).MachineStatus = <TotalProductionStatus>. IF {"Hick-Up"} SOURCE.Yards < TARGET(t-1).ProducedQtyEquipment THEN ((TARGET(t-1).ActualSpeedTotalProduction +/- SOURCE.ActualSpeedTotalProduction) / (2 * 60)) * TARGET(t).DurationIncrement) ELSE SUBTRACT TARGET(t-1).ProducedQtyEquipment FROM SOURCE.Yards ENDIF. ELSE TRANSFER 0 ENDIF ENDIF
Customer_Time_Metrics					
	DurationIncrement			220	{See: "IRIS OEE Starter Pack Produced Quantity Determination"} TRANSFER (SUBTRACT: TARGET(t-1).TimestampLocal FROM TARGET(t).TimeStampLocal)
Customer_Speed_Metrics					
	ActualSpeedTotalProduction	[Vdoek]		320	TRANSFER (DIVIDE SOURCE.Vdoek BY 10)
	RecipeSpeed	[VRecept]		330	IF <NewWorkOrder> THEN TRANSFER SOURCE.VRecept ELSE TRANSFER TARGET(t-1).RecipeSpeed. ENDIF

	MisPasQtyIncrement	[MT4_1..7]		900	IF TARGET(t).ProducedQtyIncrement <> 0; THEN IF {at least one value of point in SOURCE row 4 [MT4_1,2,3,5,6,7] exceeds the norm difference from MasterDataTable Yields in relation to value of point 4 of that SOURCE row [MT4_4]} THEN TRANSFER TARGET(t).ProducedQtyIncrement. ELSE TRANSFER 0 ENDIF. ELSE TRANSFER 0. ENDIF.
Customer_Characteristics_Others					
	MachineStatus	[MachineStatus]		300	TRANSFER SOURCE.MachineStatus
	MachineStatusPreviousSample	[MachineStatus]		300	TRANSFER TARGET(t-1).MachineStatus
	MachineStatusPreviousStatus	[MachineStatus]		300	IF TARGET(t-1).MachineStatus <> SOURCE.MachineStatus THEN TRANSFER TARGET(t-1).MachineStatus ELSE TRANSFER TARGET(t-1).MachineStatusPreviousStatus ENDIF
	Recipe	[MachineStatus] [WerkOrder] [VRecept] [ReceptNaam1] [ReceptNaam2] [ReceptNaam3] [ReceptNaam4] [ReceptNaam5]		310	IF <NewWorkOrder> THEN TRANSFER DERIVE Recipe FROM SOURCE ELSE TRANSFER TARGET(t-1).Recipe ENDIF
	ShiftOperationID			700	MDTTable SHIFTOperation Based on TARGET(t).TimeLocal AND TARGET(t).DayID Select ID WHERE ((EndDayOfWeek = today AND StartDayOfWeek = today AND EndTime >= CurrentTime AND StartTime <= CurrentTime) OR (EndDayOfWeek = tomorrow AND StartDayOfWeek = today AND StartTime <= CurrentTime AND CurrentTime Between (22:00:00 AND 23:59:59)) OR (EndDayOfWeek = tomorrow AND StartDayOfWeek = today AND EndTime >= CurrentTime AND CurrentTime Between (00:00:00 AND 05:59:59)))

X

	NewWorkOrder	[MachineStatus] [WerkOrder]	Status 8 OR Status 9 OR Status 10 OR Status 11 OR Status 29 OR Status 31	110	IF <NewWorkOrder> THEN '1'. IF TRANSFER SOURCE.WerkOrder NOT in JDEdwards Upload THEN ALERT ENDIF ELSE '0'. ENDIF.
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