



## NEWS IN IFS HUMAN CAPITAL MANAGEMENT

**IFS CLOUD – 21R1**



**PASSION LED US HERE**



# TIME CLOCK

FOR EASIER TIME TRACKING



# HUMAN CAPITAL MANAGEMENT

IFS CLOUD – 2020 R1





# AGENDA

**1**

IMPACTED  
BUSINESS  
PROCESSES

**2**

BACKGROUND

**3**

CONCEPT

**4**

BUSINESS  
VALUE

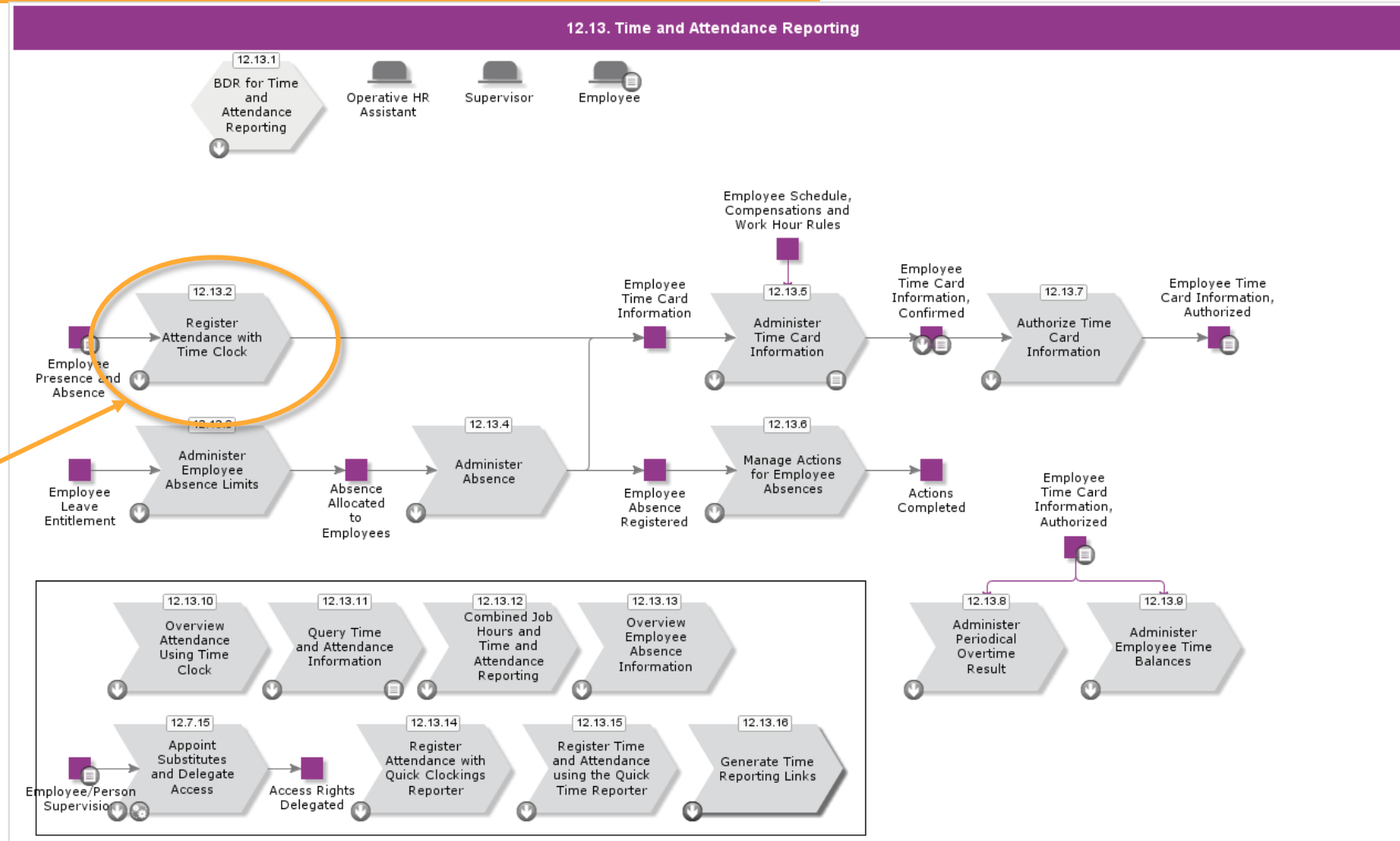
**5**

SOLUTION



# TIME CLOCK

## BUSINESS PROCESS



Impacted processes

# TIME CLOCK

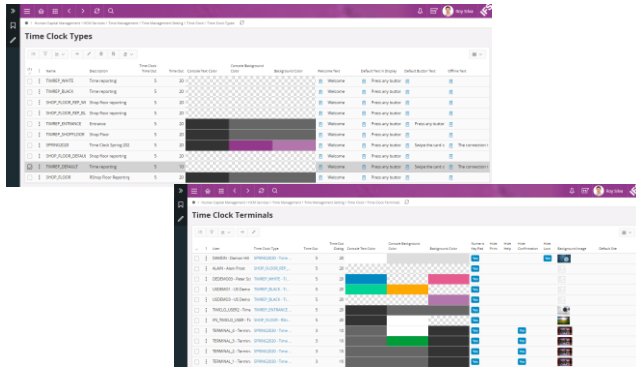
## BACKGROUND

- There were limitations in converting Time Clock into Aurena due to its high configurable capabilities. This restricted the release of Aurena Time Clock to the market previously.
- These challenges were overturned, and now much demanded functionality is available with the new release as a separate web application.



# TIME CLOCK CONCEPT

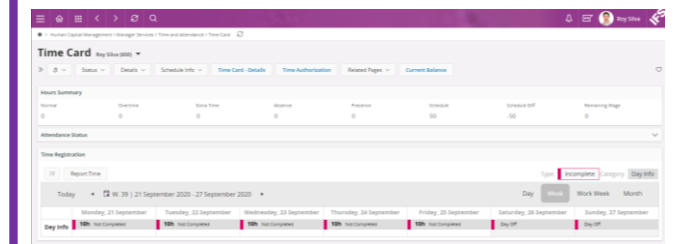
## Time Clock Basic Data Pages



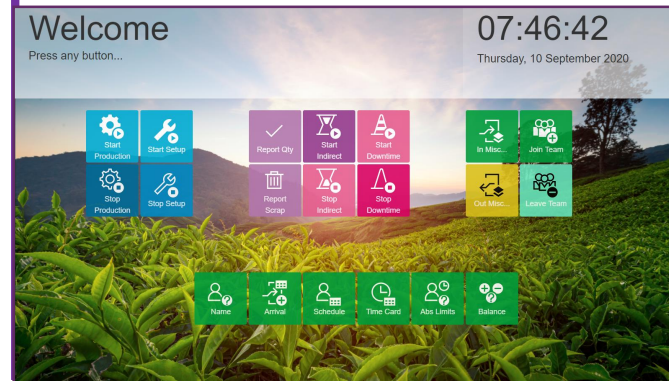
Derives the terminal  
based on Basic data

Passes the  
captured  
data

## Time & Attendance, Shop Floor etc;



## Time Clock Terminal



# TIME CLOCK

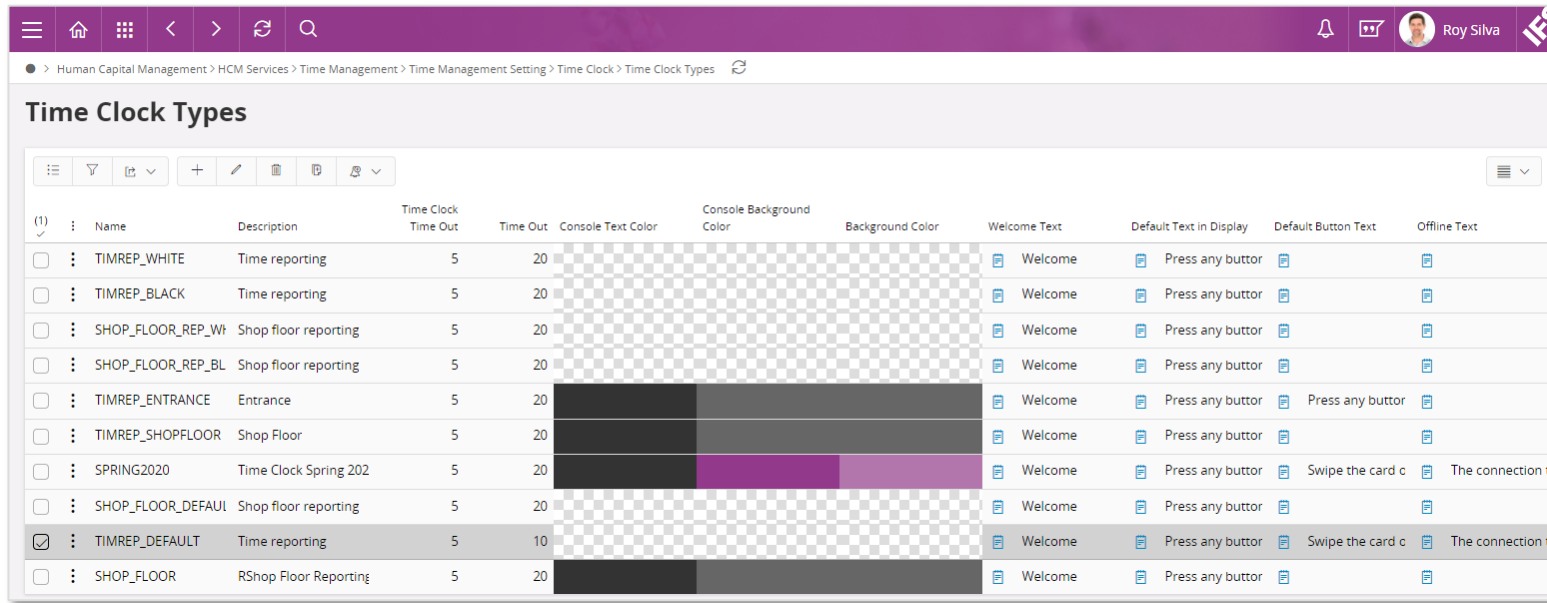
## BUSINESS VALUE

- ❑ Reduce the need to purchase third party clocking terminals
- ❑ Platform independent and can be run on any device
- ❑ High configurability allows to customize without any cost
- ❑ Efficient & accurate data capturing using Smart cards and RFID tags
- ❑ Supports offline mode to minimize data loss
- ❑ Touch friendly simpler UI allows faster deployment with minimal training
- ❑ Reduced terminal costs as a single terminal supports Shop order operations, Time and Attendance and Self-service operations
- ❑ Reduce staff overhead as Self-services functionalities such as checking of Absence Limits, Time Balances etc. could be done through the terminal

# TIME CLOCK

## SOLUTION - CONFIGURATION

### Step 1- Define Time Clock Types



(1) ✓	Name	Description	Time Clock Time Out	Time Out	Console Text Color	Console Background Color	Background Color	Welcome Text	Default Text in Display	Default Button Text	Offline Text
<input type="checkbox"/>	TIMREP_WHITE	Time reporting	5	20				Welcome	Press any button		
<input type="checkbox"/>	TIMREP_BLACK	Time reporting	5	20				Welcome	Press any button		
<input type="checkbox"/>	SHOP_FLOOR_REP_WHITE	Shop floor reporting	5	20				Welcome	Press any button		
<input type="checkbox"/>	SHOP_FLOOR_REP_BLACK	Shop floor reporting	5	20				Welcome	Press any button		
<input type="checkbox"/>	TIMREP_ENTRANCE	Entrance	5	20				Welcome	Press any button	Press any button	
<input type="checkbox"/>	TIMREP_SHOPFLOOR	Shop Floor	5	20				Welcome	Press any button		
<input type="checkbox"/>	SPRING2020	Time Clock Spring 202	5	20				Welcome	Press any button	Swipe the card c	The connection 1
<input type="checkbox"/>	SHOP_FLOOR_DEFAULT	Shop floor reporting	5	20				Welcome	Press any button		
<input checked="" type="checkbox"/>	TIMREP_DEFAULT	Time reporting	5	10				Welcome	Press any button	Swipe the card c	The connection 1
<input type="checkbox"/>	SHOP_FLOOR	RShop Floor Reporting	5	20				Welcome	Press any button		

### Some Key Features

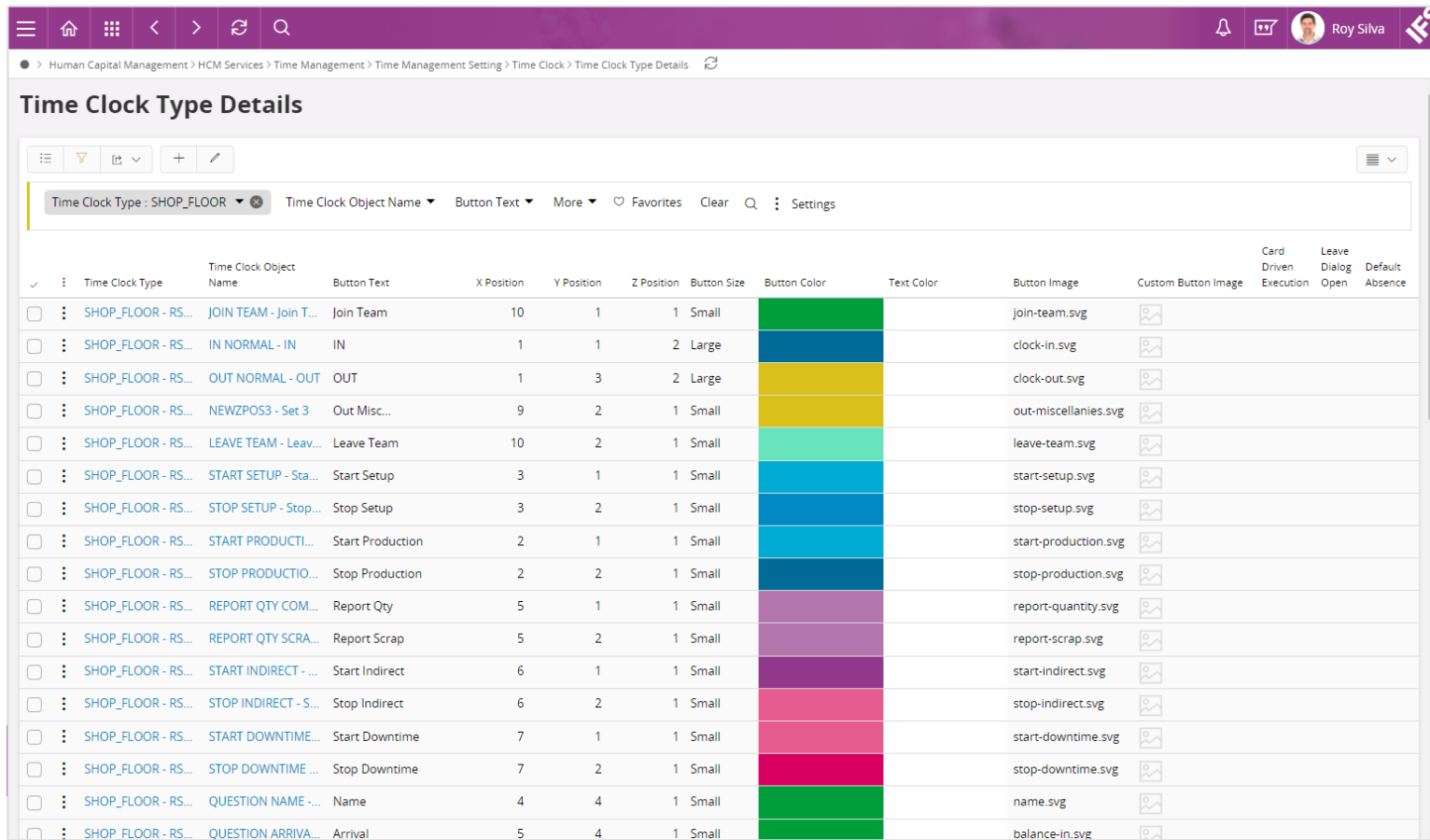
- ☐ Setup welcome message
- ☐ Set timeout period
- ☐ Define console colors
- ☐ Setup default text display
- ☐ Setup text to display when offline



# TIME CLOCK

## SOLUTION - CONFIGURATION

### Step 2 - Specify Buttons for the Time Clock Type



✓	:	Time Clock Type	Time Clock Object Name	Button Text	X Position	Y Position	Z Position	Button Size	Button Color	Text Color	Button Image	Custom Button Image	Card Driven Execution	Leave Dialog Open	Default Absence
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	JOIN TEAM - Join T...	Join Team	10	1	1	Small			join-team.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	IN NORMAL - IN	IN	1	1	2	Large			clock-in.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	OUT NORMAL - OUT	OUT	1	3	2	Large			clock-out.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	NEWZPOS3 - Set 3	Out Misc...	9	2	1	Small			out-miscellanies.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	LEAVE TEAM - Leav...	Leave Team	10	2	1	Small			leave-team.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	START SETUP - Sta...	Start Setup	3	1	1	Small			start-setup.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	STOP SETUP - Stop...	Stop Setup	3	2	1	Small			stop-setup.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	START PRODUCTI...	Start Production	2	1	1	Small			start-production.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	STOP PRODUCTIO...	Stop Production	2	2	1	Small			stop-production.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	REPORT QTY COM...	Report Qty	5	1	1	Small			report-quantity.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	REPORT QTY SCRA...	Report Scrap	5	2	1	Small			report-scrap.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	START INDIRECT - ...	Start Indirect	6	1	1	Small			start-indirect.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	STOP INDIRECT - S...	Stop Indirect	6	2	1	Small			stop-indirect.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	START DOWNTIME...	Start Downtime	7	1	1	Small			start-downtime.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	STOP DOWNTIME ...	Stop Downtime	7	2	1	Small			stop-downtime.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	QUESTION NAME - ...	Name	4	4	1	Small			name.svg				
<input type="checkbox"/>	:	SHOP_FLOOR - RS...	QUESTION ARRIVA...	Arrival	5	4	1	Small			balance-in.svg				

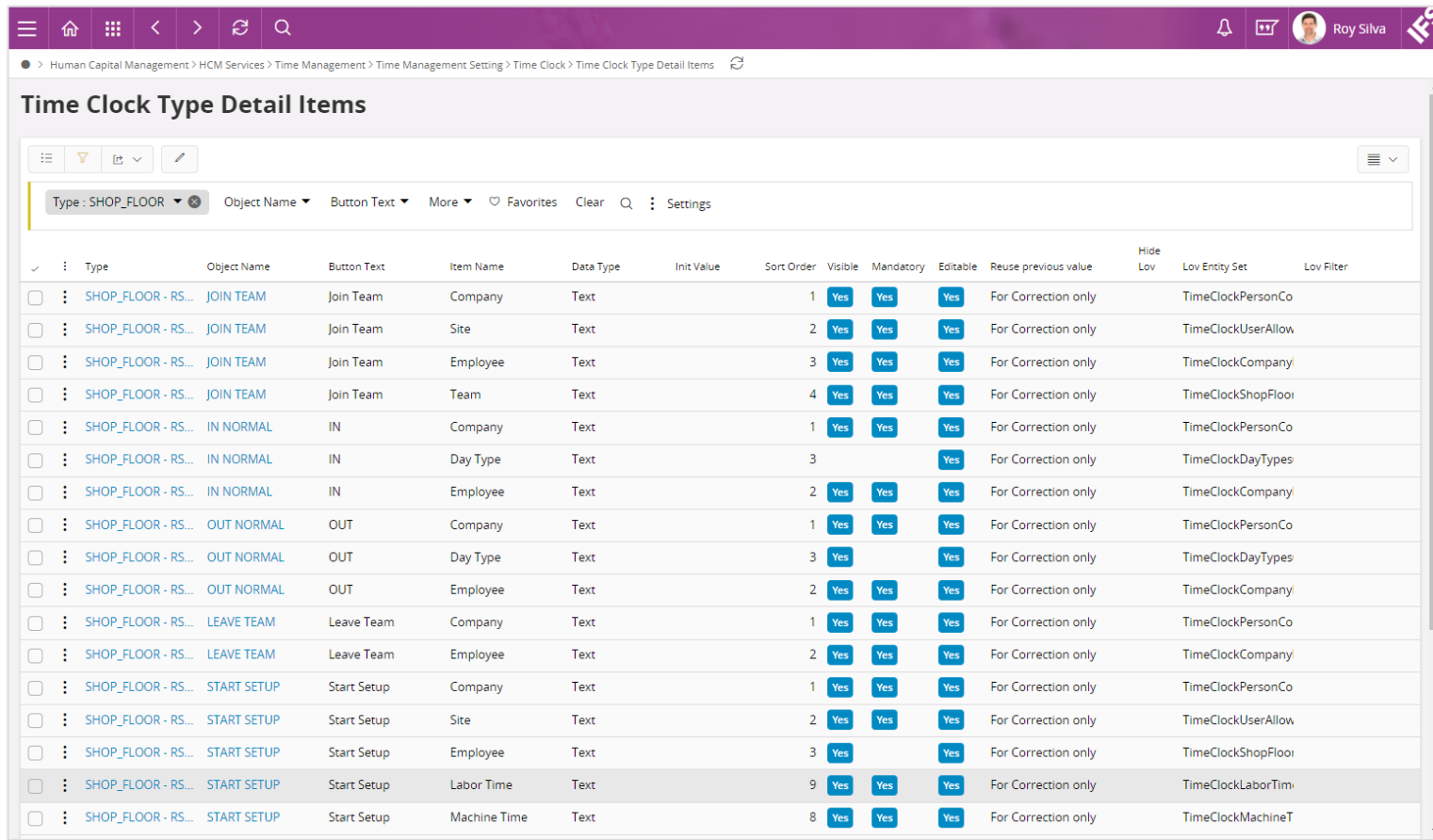
### Some Key Configuration Features

- ☐ Pools of more than 40+ button to select from
- ☐ Set button configurations
  - ☐ Color
  - ☐ Position
  - ☐ Size
  - ☐ Text Color
  - ☐ Image
- ☐ Setup card driven or manual
- ☐ Option to leave clocking prompt open

# TIME CLOCK

## SOLUTION - CONFIGURATION

### Step 3 - Specify Data Fields for the Dialogs invoked by Buttons



✓	Type	Object Name	Button Text	Item Name	Data Type	Init Value	Sort Order	Visible	Mandatory	Editable	Reuse previous value	Hide Lov	Lov Entity Set	Lov Filter
<input type="checkbox"/>	SHOP_FLOOR - RS...	JOIN TEAM	Join Team	Company	Text		1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockPersonCo	
<input type="checkbox"/>	SHOP_FLOOR - RS...	JOIN TEAM	Join Team	Site	Text		2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockUserAllow	
<input type="checkbox"/>	SHOP_FLOOR - RS...	JOIN TEAM	Join Team	Employee	Text		3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockCompany/	
<input type="checkbox"/>	SHOP_FLOOR - RS...	JOIN TEAM	Join Team	Team	Text		4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockShopFloor	
<input type="checkbox"/>	SHOP_FLOOR - RS...	IN NORMAL	IN	Company	Text		1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockPersonCo	
<input type="checkbox"/>	SHOP_FLOOR - RS...	IN NORMAL	IN	Day Type	Text		3			<input checked="" type="checkbox"/>	For Correction only		TimeClockDayTypes	
<input type="checkbox"/>	SHOP_FLOOR - RS...	IN NORMAL	IN	Employee	Text		2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockCompany/	
<input type="checkbox"/>	SHOP_FLOOR - RS...	OUT NORMAL	OUT	Company	Text		1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockPersonCo	
<input type="checkbox"/>	SHOP_FLOOR - RS...	OUT NORMAL	OUT	Day Type	Text		3	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	For Correction only		TimeClockDayTypes	
<input type="checkbox"/>	SHOP_FLOOR - RS...	OUT NORMAL	OUT	Employee	Text		2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockCompany/	
<input type="checkbox"/>	SHOP_FLOOR - RS...	LEAVE TEAM	Leave Team	Company	Text		1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockPersonCo	
<input type="checkbox"/>	SHOP_FLOOR - RS...	LEAVE TEAM	Leave Team	Employee	Text		2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockCompany/	
<input type="checkbox"/>	SHOP_FLOOR - RS...	START SETUP	Start Setup	Company	Text		1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockPersonCo	
<input type="checkbox"/>	SHOP_FLOOR - RS...	START SETUP	Start Setup	Site	Text		2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockUserAllow	
<input type="checkbox"/>	SHOP_FLOOR - RS...	START SETUP	Start Setup	Employee	Text		3	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	For Correction only		TimeClockShopFloor	
<input type="checkbox"/>	SHOP_FLOOR - RS...	START SETUP	Start Setup	Labor Time	Text		9	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockLaborTim	
<input type="checkbox"/>	SHOP_FLOOR - RS...	START SETUP	Start Setup	Machine Time	Text		8	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	For Correction only		TimeClockMachineT	

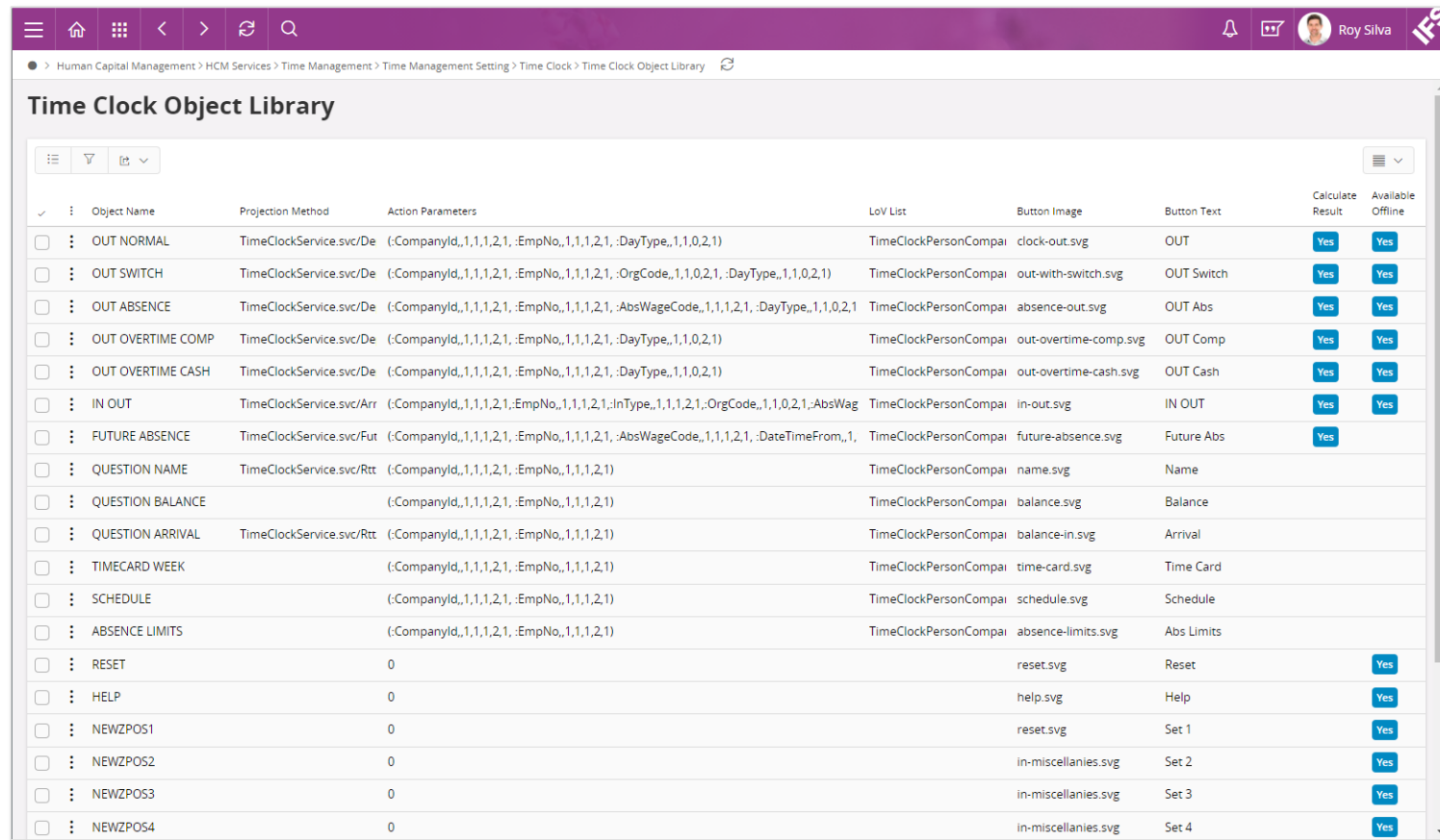
#### Some Key Features

- ☒ Enable drop down for fields
- ☒ Set mandatory fields
- ☒ Set order of the fields
- ☒ Set visibility of fields
- ☒ Set initial value for fields

# TIME CLOCK

## SOLUTION - CONFIGURATION

### Step 4 – More Technical rules used to build up functionality behind a button



✓	:	Object Name	Projection Method	Action Parameters	LoV List	Button Image	Button Text	Calculate Result	Available Offline
<input type="checkbox"/>	:	OUT NORMAL	TimeClockService.svc/De	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:DayType,,1,1,0,2,1}	TimeClockPersonCompai	clock-out.svg	OUT	Yes	Yes
<input type="checkbox"/>	:	OUT SWITCH	TimeClockService.svc/De	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:OrgCode,,1,1,0,2,1,:DayType,,1,1,0,2,1}	TimeClockPersonCompai	out-with-switch.svg	OUT Switch	Yes	Yes
<input type="checkbox"/>	:	OUT ABSENCE	TimeClockService.svc/De	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:AbsWageCode,,1,1,1,2,1,:DayType,,1,1,0,2,1}	TimeClockPersonCompai	absence-out.svg	OUT Abs	Yes	Yes
<input type="checkbox"/>	:	OUT OVERTIME COMP	TimeClockService.svc/De	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:DayType,,1,1,0,2,1}	TimeClockPersonCompai	out-overtime-comp.svg	OUT Comp	Yes	Yes
<input type="checkbox"/>	:	OUT OVERTIME CASH	TimeClockService.svc/De	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:DayType,,1,1,0,2,1}	TimeClockPersonCompai	out-overtime-cash.svg	OUT Cash	Yes	Yes
<input type="checkbox"/>	:	IN OUT	TimeClockService.svc/Arr	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:InType,,1,1,1,2,1,:OrgCode,,1,1,0,2,1,:AbsWag	TimeClockPersonCompai	in-out.svg	IN OUT	Yes	Yes
<input type="checkbox"/>	:	FUTURE ABSENCE	TimeClockService.svc/Fut	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1,:AbsWageCode,,1,1,1,2,1,:DateTimeFrom,,1,	TimeClockPersonCompai	future-absence.svg	Future Abs	Yes	
<input type="checkbox"/>	:	QUESTION NAME	TimeClockService.svc/Rtt	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1}	TimeClockPersonCompai	name.svg	Name		
<input type="checkbox"/>	:	QUESTION BALANCE		{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1}	TimeClockPersonCompai	balance.svg	Balance		
<input type="checkbox"/>	:	QUESTION ARRIVAL	TimeClockService.svc/Rtt	{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1}	TimeClockPersonCompai	balance-in.svg	Arrival		
<input type="checkbox"/>	:	TIMECARD WEEK		{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1}	TimeClockPersonCompai	time-card.svg	Time Card		
<input type="checkbox"/>	:	SCHEDULE		{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1}	TimeClockPersonCompai	schedule.svg	Schedule		
<input type="checkbox"/>	:	ABSENCE LIMITS		{:CompanyId,,1,1,1,2,1,:EmpNo,,1,1,1,2,1}	TimeClockPersonCompai	absence-limits.svg	Abs Limits		
<input type="checkbox"/>	:	RESET		0		reset.svg	Reset		Yes
<input type="checkbox"/>	:	HELP		0		help.svg	Help		Yes
<input type="checkbox"/>	:	NEWZPOS1		0		reset.svg	Set 1		Yes
<input type="checkbox"/>	:	NEWZPOS2		0		in-miscellanies.svg	Set 2		Yes
<input type="checkbox"/>	:	NEWZPOS3		0		in-miscellanies.svg	Set 3		Yes
<input type="checkbox"/>	:	NEWZPOS4		0		in-miscellanies.svg	Set 4		Yes

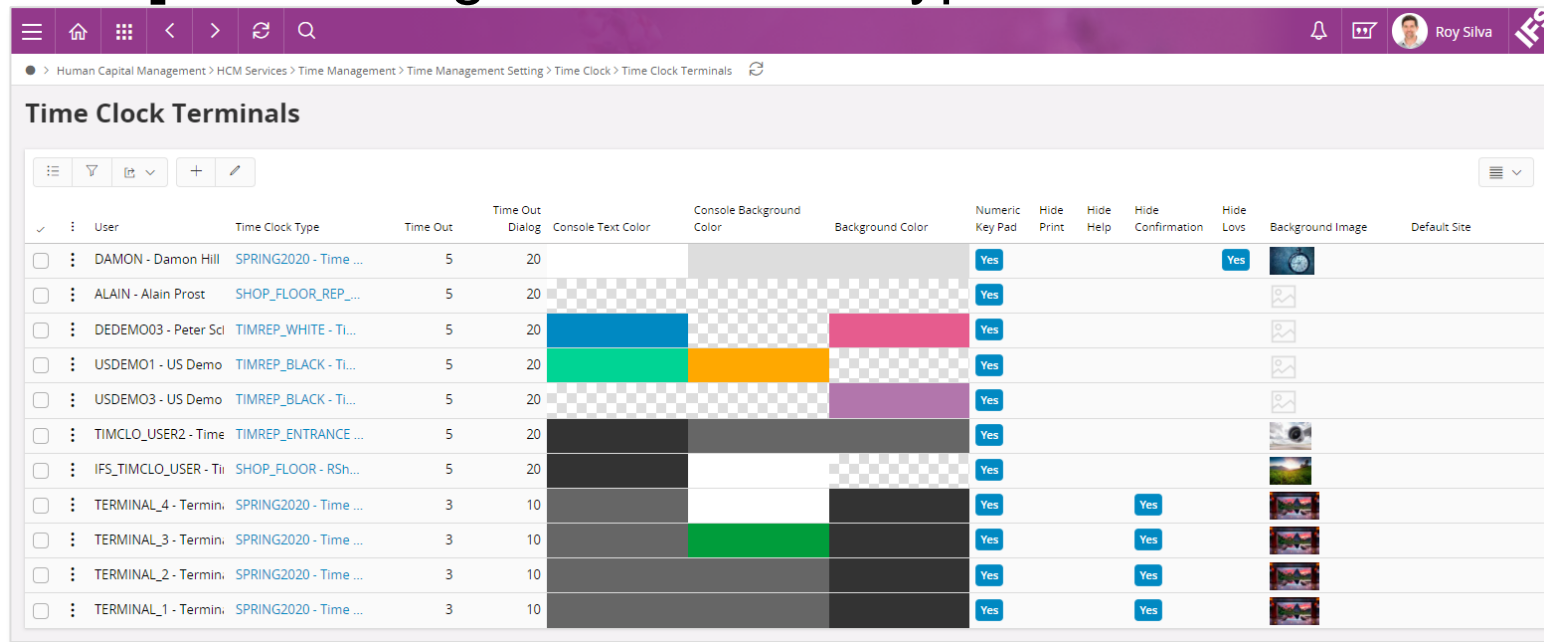
### Some Key Features

- Easy access to technical details

# TIME CLOCK

## SOLUTION - CONFIGURATION

### Step 5 – Assign Time Clock Types to Users



✓	:	User	Time Clock Type	Time Out	Time Out Dialog	Console Text Color	Console Background Color	Background Color	Numeric Key Pad	Hide Print	Hide Help	Hide Confirmation	Hide Lows	Background Image	Default Site
<input type="checkbox"/>	:	DAMON - Damon Hill	SPRING2020 - Time ...	5	20				Yes				Yes		
<input type="checkbox"/>	:	ALAIN - Alain Prost	SHOP_FLOOR_REP...	5	20				Yes						
<input type="checkbox"/>	:	DEDEMO03 - Peter Sci	TIMREP_WHITE - Ti...	5	20				Yes						
<input type="checkbox"/>	:	USDEMO1 - US Demo	TIMREP_BLACK - Ti...	5	20				Yes						
<input type="checkbox"/>	:	USDEMO3 - US Demo	TIMREP_BLACK - Ti...	5	20				Yes						
<input type="checkbox"/>	:	TIMCLO_USER2 - Time	TIMREP_ENTRANCE ...	5	20				Yes						
<input type="checkbox"/>	:	IFS_TIMCLO_USER - Ti	SHOP_FLOOR - RSh...	5	20				Yes						
<input type="checkbox"/>	:	TERMINAL_4 - Termin	SPRING2020 - Time ...	3	10				Yes			Yes			
<input type="checkbox"/>	:	TERMINAL_3 - Termin	SPRING2020 - Time ...	3	10				Yes			Yes			
<input type="checkbox"/>	:	TERMINAL_2 - Termin	SPRING2020 - Time ...	3	10				Yes			Yes			
<input type="checkbox"/>	:	TERMINAL_1 - Termin	SPRING2020 - Time ...	3	10				Yes			Yes			

#### Some Key Features

- ☐ Set timeout duration
- ☐ Set background image
- ☐ Set console text and background color
- ☐ Enable numeric keypad



# TIME CLOCK

## SOLUTION - CONFIGURATION

### Step 6 – Setup Card Parameters

The screenshot shows the IFS Employee Card Parameters configuration page for user ALAIN. The page is divided into several sections:

- General Group:** User ID is set to ALAIN.
- Card Parameters:** Total Card Data Length (Pos) is set to 10.
- Company ID is derived from:** Start Position and End Position are both set to 0.
- Card Data:** Contains Card No, Start Position (1), and End Position (10).

The left sidebar shows a list of users: DAMON, ALAIN (selected), and KAMELK. The top navigation bar includes the IFS logo and the user's name, Roy Silva.

#### Some Key Features

- ❑ Separate setup for each terminal user
- ❑ Easy mapping to fetch Emp ID

# TIME CLOCK

# SOLUTION - CONFIGURATION

## Step 7 – Map card numbers to employees

Human Capital Management > HCM Services > Employee Management > Employee File > Employment Information >

company IFS Racing USA

Sort by

Employment information

Periods

Employments

Assignments

Schedules

more

Properties

more

Roy Silva

ID: 800

Company: IFS Racing USA

Company ID: 10

Active

Roy Silva

ID: 8000

Company: IFS Racing USA

Company ID: 10

Active

Personal Information

Qualifications

Employment Information ↕

Periods

Employments

### Employment Information Roy Silva (8000) ▼

Personal File Employments Documents MISC

#### Summary

Name	Employee ID	Person ID	Employee Status	Valid Data Processing Purp...
Roy Silva	8000	8000	Active	No

#### General

Signature	Card No	Employee Category	Master Employment
	8884	Officer	Yes
Time Clock User	Linked Employee		
No	No		

#### Location

Work Location	Work Location Category	Evacuation Area
FACTORY - Factory unit	PRODUCTION	MAIN - Main Building

#### Remarks

Internal Remark

Public Remark

### Some Key Features

- Easy mapping of card ID to Emp ID

# TIME CLOCK SOLUTION

Welcome

Press any button to continue...

1:01:56 PM

Tuesday, January 21, 2020

Offline...

The connection to the database is lost. Therefore, this terminal has limited functionality and some data will be lost. All data will be lost if the connection is restored.

10:31:40 AM

Thursday, 10 September 2020

IN

08:49:00

Thursday, 10 September 2020

Company

10 - IFS Racing USA

Employee

1

2

3

4

5

6

7

8

9

0

OK

Cancel

le terminal  
igured for  
Floor usage

In Offline mode

Dialog to capture  
data







**#forthechallengers**