get Sid

VCCNET & Ryaganti

TCIO Replacement:

52425787

Background

TCID Functionality

Solution overview

AD larger Enjoyene 11608

Implementing TCID functions

Shedule ovenvew

monitoring & support

Application management

PR42/32

Volvo con Semplane 463189/000

VB LAGO

* Too is alink between the shop sloor in the c-shop.

* TCID was carried in 2002, but furchonality is Nill (2018) being Changed and adda.

RIAM

RATMOGRAS

Project Epals: -

· Replace TCID to leduce the luxes associated with

fu Concal Strokon

· Shive towards Common VCC solutions.

TCID is leplaced by

· New Enchanding in SAMS

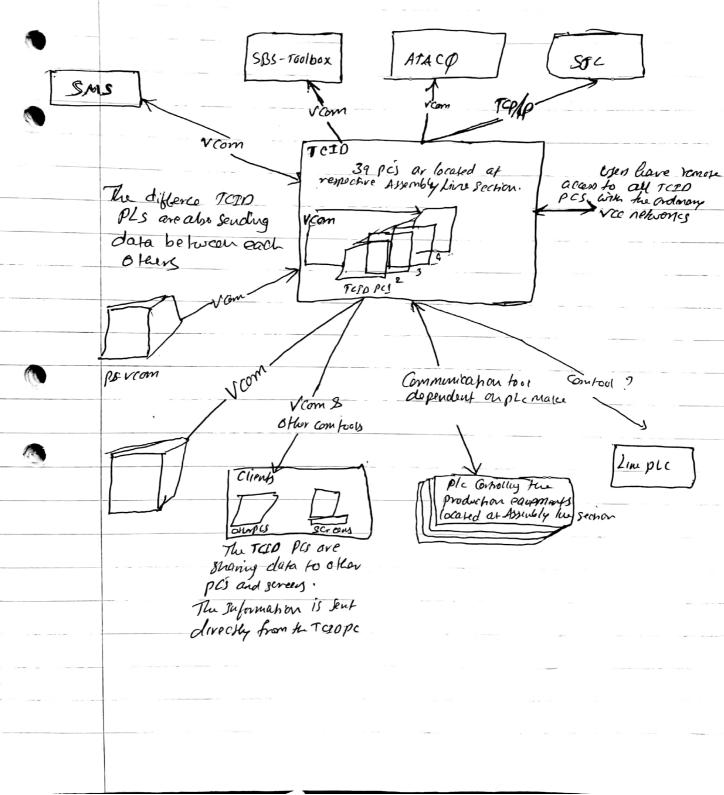
VO Communication

The new Daja plc

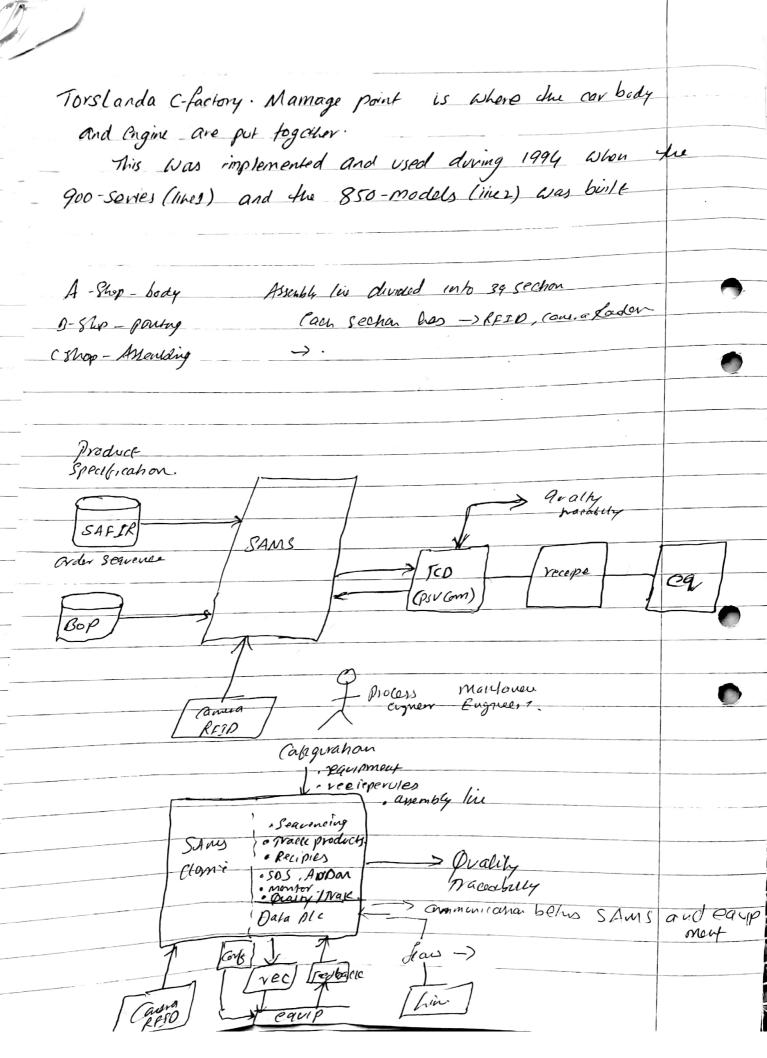
Data plc for all pre-assembly exchion, and one

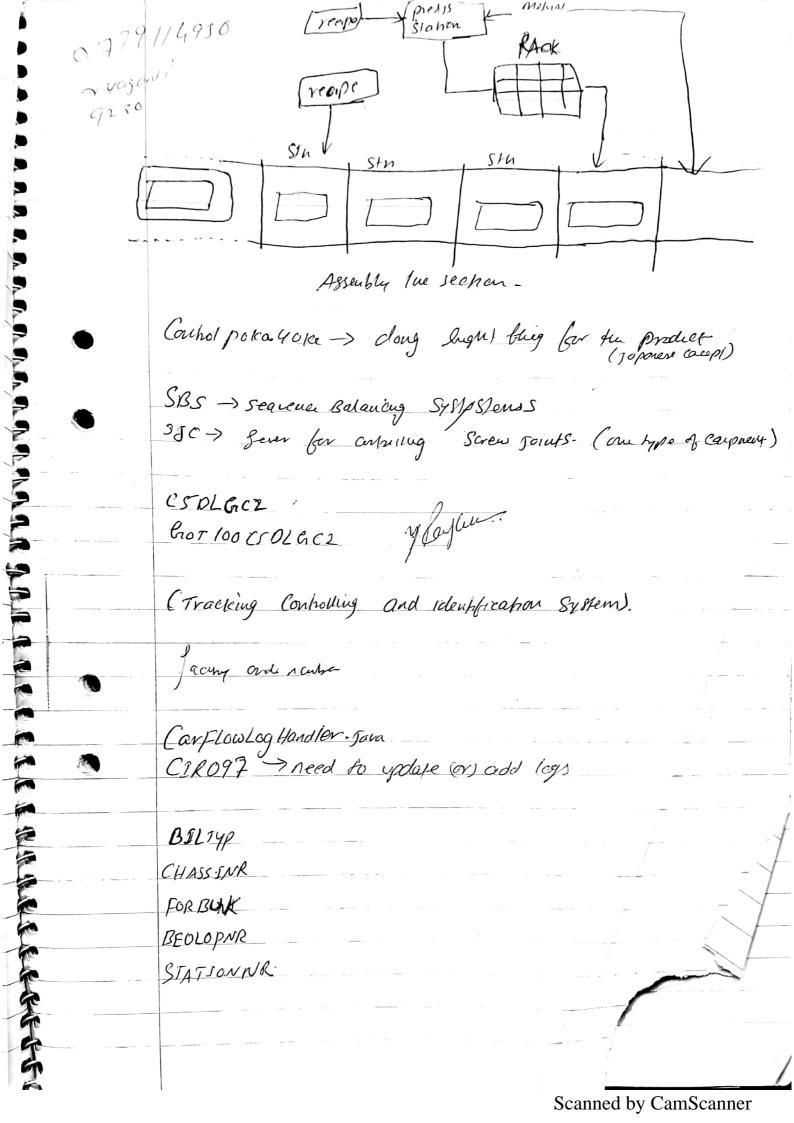
Seperate processes in vo and star SAMS for car	ch -
Dataple	
y	
1304:-	
Problem Statement: -	
TCID (Warking Compound and adouptication) is used in the	TC-Pactory
for controlling the assembly line and whighly production in	newi.
In Systemics dependent on a sigle pay vernice for	manface
and support	
pla-	
,	
PS-Vcom is an old application that lad been used for	different
purpose to Control PLC's in Assembly aconophy in Tox	slanda
NOW Application is used for different purposes and may	he U
cherded in them mains Incharactures	
	0
popolyopa of pure by light coney assure	
- Trasfer location information to same.	
Support to houdle operations as the Assembly station	U.
(poka yoka & poka yoka Andon 2)	
· Submit trigging ratermation to the Sic Serier for plc ord	<i>I</i> -
Confrolled by Ps-Vcom.	

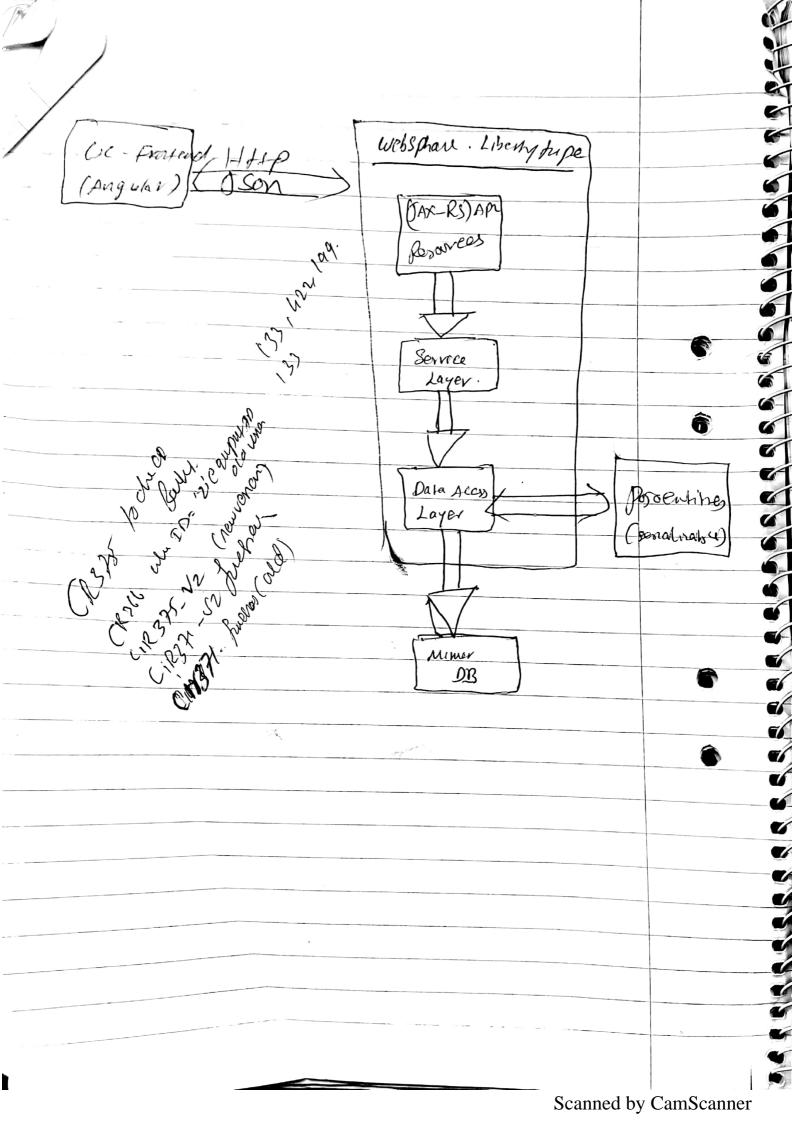
Corrent It Privionment for TCIO

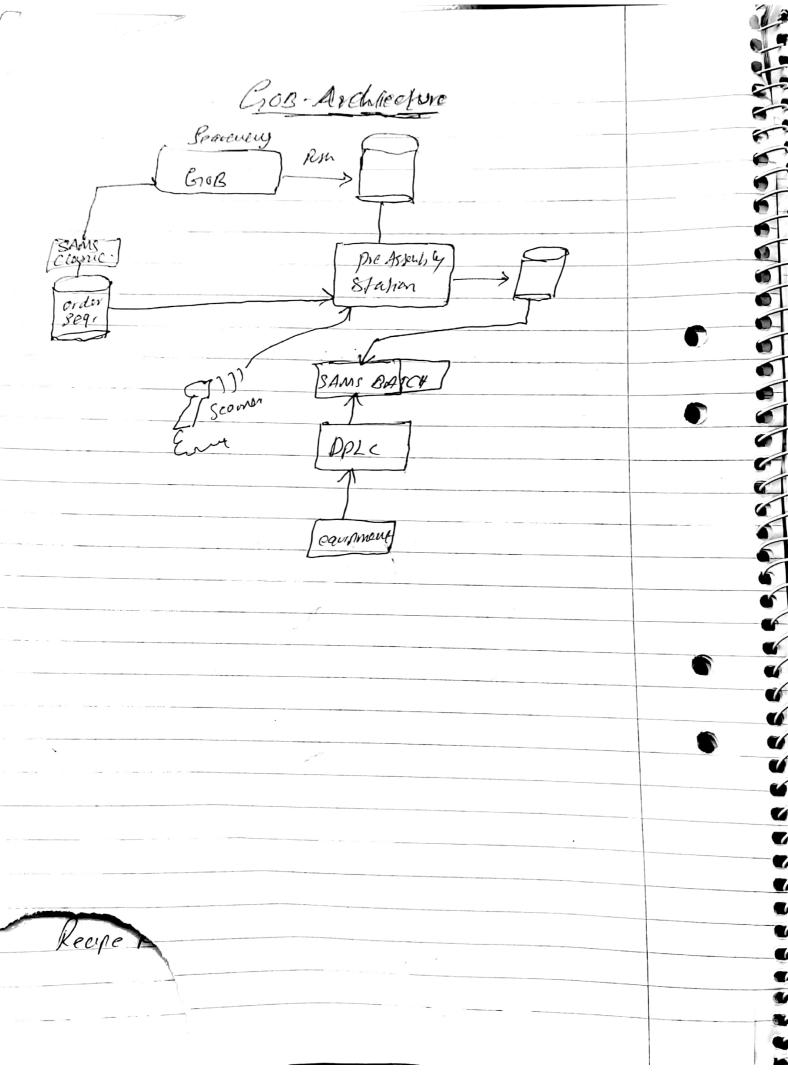


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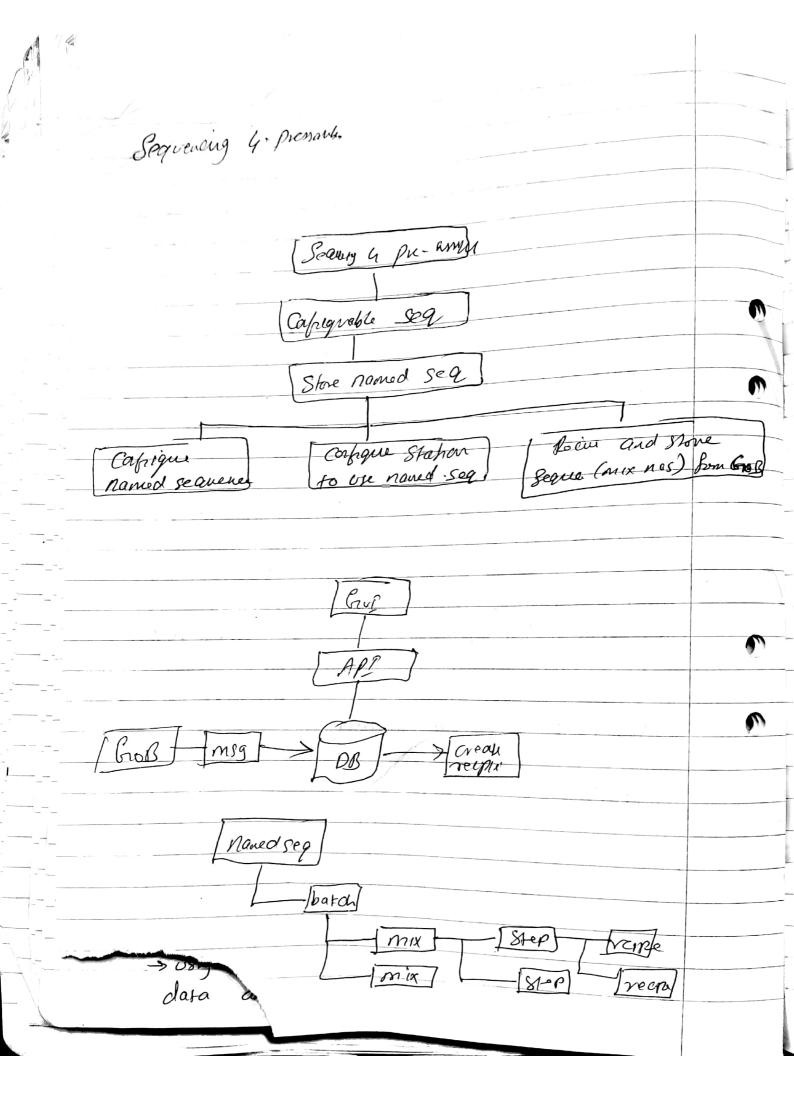








Scanned by CamScanner



Scanned by CamScanner

Database - Decelopmont

Poc System Capacity - Design unfied

1: Each line has its own processes in VD and SAMS

2. Each live has it own physical Data ple

3. The Data ple is donghed for the number of Equipment ples per live Seen in the diagram, which means we have a future Capacity of aprox 4000 pis in comp.

Design per lin

SAMS

Data plc

Lp202 CCC Scimns ABB

SX

SX

Poc Funtional Test

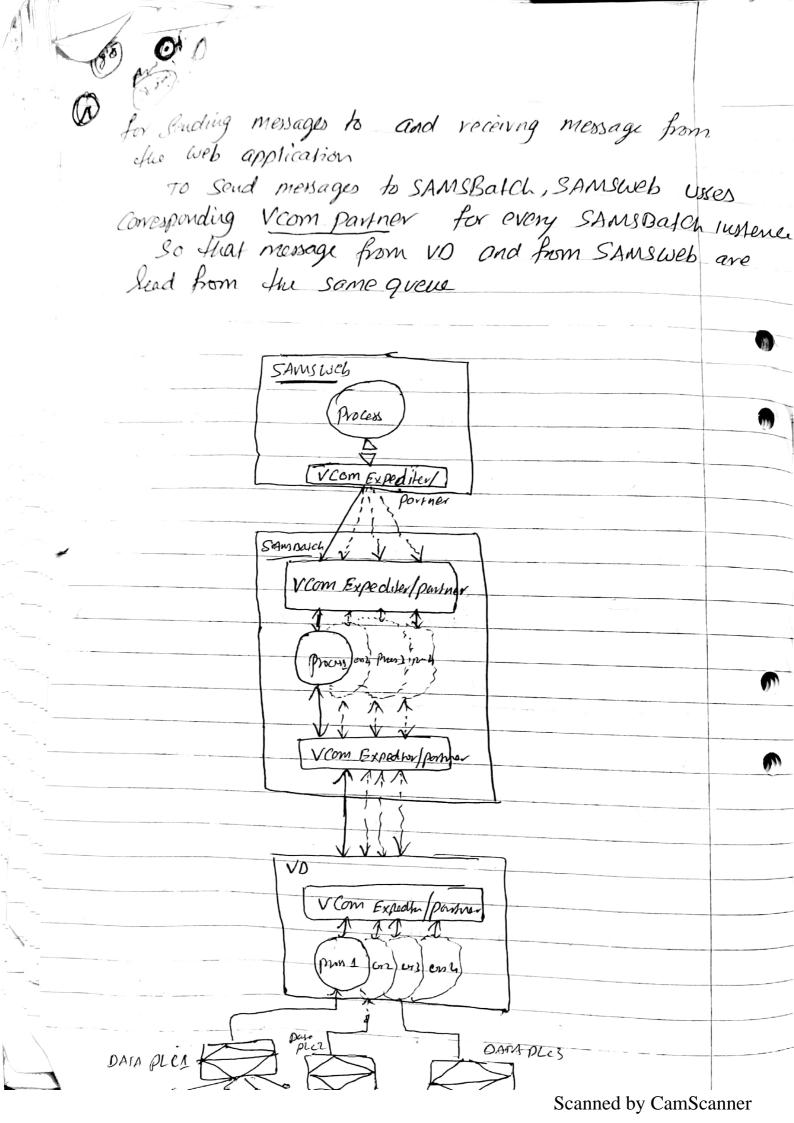
· Request, Create and dishibite recipies

· Request line mfo from the line plc= v

· manage inventory in SAMS and copolate Data Pi

· marage Configration In S Ams and updage Lozon

	type Sams_com: Samsbatch_common-com
	@ Sams_ Com: Samsbatch _ Common.com
	@ Sams_com: Sams batch
	Application
	SAMSWeb -> Crue and Backend deployed on webspheare.
	Configuration and monitoring of equipment and lescapes
	SAMSBatch -> Background process on open VMS-one
	Instence per Data plc. Generating and distributing Information
	to the Shop floor and collecting lens.
	VD -> Virbal Dévice application for Communication
	between IT and Shop floor - one untere per Data ple
,	- one insene per Data Plc
	Data plc: one plc per assembly lin Section
	with the various Stations and equipment
_	
4	Application Functional Knowledge:
	Communication between SAMS Batch and VO
	is by Vcom,
	every process will have its own expediter
	and partner
(Communication between VD and the Data PLC is done
	by the VD com protocol.
_	Communication between SAMSBatch and SAMSWeb
	Usses single Single partner/expediter pair for



Architecture SAMS It manages location of production objects as they move through the plant together with a local application called TCID (Transaction Control and Inentification) SAMS is responsible for managing for object Specific data for each production object through the plants and communicating this data and other specific 101 Paformation to different Syspens TCIO Usses Lew information to create equipment 0 Secipes and contra codes Project Description: Business objective:1: - Reduce Visk for production stop IN VCT C-factory The Besmass goal to have fee TCIO Systems replaced, is based on the target to create resilience and Significantly reduce the line for assembly line manufacturing interruptions or incidents at VCT Busins object 2 , - long ferm cost reduction the Shategic planning for Common factory system Score duat implemented IT Solution has a derection that makes It possible to use for other factories han VCT

