Papers o		YOUV			
	Data Jake design				
	PHOSOP CICLOTT				
		tal spli			
	Moro quickly O Ti Aggregated Rood Aggregated	ned bu			
I loxnol	(E)	ned			
- Source	ented data Landing staging curated Metastore.				
2) Rawdate	Letate 7 - one zone. Zone. Zone mapping bet	1 100			
Batch	Bronze. Silver Gold name space +	o physic			
Streaming					
No redune	1. Dolalake conprenise-HDFS.				
6) compressed	alk before ingestion. cloud - Storage . 53/ADIS.				
Landing	g. Kone - specific location on memory. 300 particular				
	subject areas.				
	eg.) Amazon appearls landing zone. / subject Detail business, zones are landing zone				
Ti tra	nistor 3) saggrigated by time zone-				
	TV 3				
Staging	zone - Ti tran 1 Scheduled triggerred.				
-00	triggerred.				
(more widely us	Triggemed message queue - publisher/sw	scriber			
	> queueing system.				
	> because of variable injestion triggerred is used.				
	I staging zone is called source of all truth				
	all model a build, all dash board a monitored,				
	is the zone. It has to be versioned (immu				
	Data is denormalized) (join table and quely	gef it			
	-) have notion of downstream applin.				
	-) It is done in nonlinear fashion-				
	ecolumnar dota). (parquelle format). OCR				
	nonzontal split (partitioned/bucketed).				
_	datahere stays for longer duration.				
	during transformation, data cleaning is done.				
	(missing value not in perspective of mr model)				
	- Keen markey la				
	> keep marker to imputed data. > in healthrane missing data should not be impo	ted.			
	- More in a this mussing data Should not be ing	•			
	-) More imputation more noise.	2392			

viote.	processing.	Page No.:	spauallel
Ne -	3. Splittable compression is used.	Date:	YOUVA
	> understand ingestion time, type of date, o	pu uncom	pressing time
	and compresselate it needed.		<u>-</u>
Jayend	> operational dete ingestion > Trans - aggregate - as	railable for	next Busi Day. 1
	Joken / Charriary / Coupons.	poeditorio	-
	Benchmarking - find optimum paramet	ers-	1.16-0
	Benchmarking - 1TB of data - how much	1 time it	takes.
	or TR in same time -> Scale out -> cloud	ds are por	sulcor-
->	Access controllist >- Landing zone access is so Staging zone + who has access to particular co Landing zone access > Data engineers / Staging z	ubjective ti	tous aucs
	panding zone access > Data engineers staging z	one-dota	analyst.
	-> Data types conversion.		
Stair 1	schemahased datahere, schema is	enforced h	iese.
Show son	- Tuen types of tables, facts and	armenistari	,,,
150 lens	facts - Business operations are captured	by facts	f.
	facts - Business operations are captured Date Cid, tid, Pid, Sid, Amt> TX data	· facts.	
	i formation about customer		
	Product Referenceda	ta. J dir	rensions
	store.		
Cuso	ted Zone - pre computed statistics.		
20010	management wants to know kpis monthly. Trea a customer regionwise which store has how many pitfalls. moving average a revenue of last 4 weeks.	laggregation.).
	-> freq of customer, regionwise		
	> moving average of revenue of last 4 weeks.		
	Two core objective > O Enable the lead time		
	Some organization may push this data to	adawareh	inference.
	data here is in small size	teaturestones	re of all truth
	> data here some mostly row oriented	fashion.	1111
\rightarrow	This is called referre architecture not	standard.	· architectur
	small organization may follow only two	mes.	
	Large organization may have more than	Trive E Zon	6.
	metastores usually used in staging zone.		