

TEKNIKAL TEST DEVELOPER	Tanggal	
	Nama	

1. What is your most mastered skill? Please elaborate.
2. Analysis - Elaborate your way to work out the alert.

Given a transactional table that has 300 million of records and insert rate of 40 tps (transaction/second). The transactions status varied from success, failed, decline, and suspect.

There is condition of alert:

- within 5 minutes, if the sum of failed transactions > 100 records, send alert to officer on duty that tells - ex: there are 120 failed transactions between now and (now-5 minutes) by telegram automatically.

3. JAVA

Input: Data Alert.txt

Path Input: /input

Data Alert.txt
1 MDR:MP:7120;Bank Mandiri Online ;Offline
2 MDR:MP:8066;Bank Mandiri Online ;Offline
3 MDR:MP:8081;Bank Mandiri Online ;Offline
4 STM:MP:8779;Bank Tabungan Negara ;Offline
5 BNI:MP:2044;Bank Negara Indonesia ;Offline
6 BNI:MP:2020;Bank Negara Indonesia ;Offline
7 MTP:MP:2023;Bank Mandiri Taspen ;Offline
8 KAS:MP:8137;BPD Kalimantan selatan ;Offline
9 BCA:MP:7701;Bank Central Asia ;Offline
10 CMB:MP:9986;Bank CIMB Niaga ;Offline
11 NOB:MP:8171;Bank Nobu PRL ;Offline
12 TMY:MP:10200;TMY Participant RAL ;Offline
13 BNI:MP:2045;BNI Participant A10 ;Offline
14 BRI:MP:2032;Bank Rakyat Indonesia ;Offline
15 BRI:MP:2035;Bank Rakyat Indonesia ;Offline
16 BRI:MP:49273;Bank Rakyat Indonesia ;Offline
17 MDR:MP:8064;Bank Mandiri ;Offline
18 MDR:MP:2079;Bank Mandiri ;Offline
19 MDR:MP:9191;Bank Mandiri ;Offline
20 BNI:MP:8006;Bank Negara Indonesia ;Offline
21 BNI:MP:9722;Bank Negara Indonesia ;Offline
22 MDR:MP:9511;Bank Mandiri ;Offline
23 MDR:MP:5222;Bank Mandiri ;Offline
24 MDR:MP:9097;Bank Mandiri ;Offline
25 BIS:MP:2041;Bank BNI Syariah ;Offline
26 BIS:MP:2012;BIS Participant BA2 ;Offline
27 BSR:MP:2004;Bank BRI Syariah ;Offline

Output:

Selamat Siang Rekan Bank BNI,

Mohon bantuan untuk Sign on pada envi berikut :

- Envi MP Port 2044 terpantau Offline
- Envi MP Port 2020 terpantau Offline
- Envi MP Port 8006 terpantau Offline
- Envi MP Port 9722 terpantau Offline
- Envi MP Port 2045 terpantau Offline

Terima Kasih

Selamat Siang Rekan Bank MDR,

Mohon bantuan untuk Sign on pada envi berikut :

- Envi MP Port 8064 terpantau Offline
- Envi MP Port 2079 terpantau Offline
- Envi MP Port 9191 terpantau Offline
- Envi MP Port 9511 terpantau Offline
- Envi MP Port 5222 terpantau Offline
- Envi MP Port 9097 terpantau Offline
- Envi MP Port 7120 terpantau Offline
- Envi MP Port 8066 terpantau Offline
- Envi MP Port 8081 terpantau Offline

Terima Kasih

Task:

- Create a java native program to read input file on path '/input'.
- Create output message and send to its institutions.
- Output message is parameterized / changeable without any deployment (in this case BNI and MDR).

4. Database – PL/SQL

Create Procedure to insert data to table C from table A and B.

TABLE A					
ID	CARDNUMBER	ISS	ACQ	DEST	STATUS
1	123	MDR	BNI	MDR	1

TABLE B						
ID	CARDNUMBER	ISS	ACQ	DEST	STATUS	SOURCE
1	123	MDR	BNI	MDR	0	MDR
2	123	MDR	BNI	MDR	1	BNI

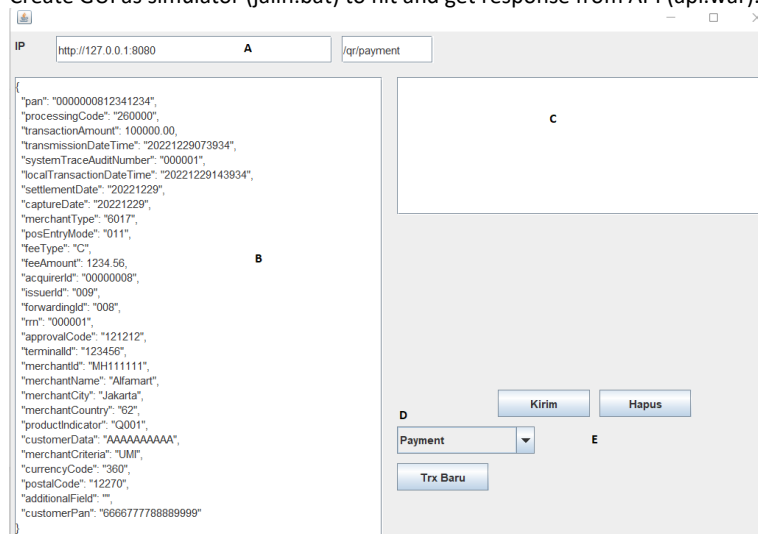
TABLE C								
ID	CARDNUMBER	ISS	ACQ	DEST	STATUS_A	STATUS_ISS	STATUS_ACQ	STATUS_DEST
1	123	MDR	BNI	MDR	1	0	1	0

Task

- Create Procedure using MySQL or Oracle database.

5. REST API – GUI SIMULATOR

Create GUI as simulator (jalin.bat) to hit and get response from API (api.war).



A = URL and Path

B = Request

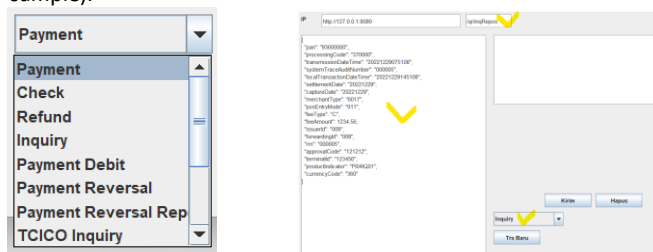
C = Response

D = List of Request

E = Execute

Task

- Create GUI with components as picture above.
- Each time user chose Request on D then B input and A url changes accordingly. You can create 2 input request and response as your preference (pictures just sample).



- Send the request by hit 'Kirim'.
- Put the response from your API on C.
- Send your api.war file that works on Tomcat5.5