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System:	PINPad System		
<div>Panduan Update Sistem PINPad Untuk Support NIR-62</div>			
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Pendahuluan

Dokumen ini adalah panduan untuk melakukan update ke sistem PINPad BJB supaya NIR-62 dapat berfungsi sebagai PINPad (validasi/pembuatan/ganti PIN) dan pembacaan E-KTP.

Ada 3 server yang akan diupdate:

1. Database Server (192.168.233.1)
2. Web Server (192.168.231.1)
3. Application Server (192.168.232.1)

Database

1. Nama database yang diupdate: 'pps'
2. Backup database 'pps'
3. Pembuatan tabel baru 'EKTP'

```
CREATE TABLE public.ektp
(
    id integer NOT NULL DEFAULT nextval('ektp_id_seq'::regclass),
    tid character varying(8) COLLATE pg_catalog."default",
    nik text COLLATE pg_catalog."default",
    name text COLLATE pg_catalog."default",
    pob text COLLATE pg_catalog."default",
    dob text COLLATE pg_catalog."default",
    gender text COLLATE pg_catalog."default",
    bloodtype text COLLATE pg_catalog."default",
    address text COLLATE pg_catalog."default",
    rt text COLLATE pg_catalog."default",
    rw text COLLATE pg_catalog."default",
    kelurahan text COLLATE pg_catalog."default",
    kecamatan text COLLATE pg_catalog."default",
    kabupaten text COLLATE pg_catalog."default",
    province text COLLATE pg_catalog."default",
    religion text COLLATE pg_catalog."default",
    maritalstatus text COLLATE pg_catalog."default",
    occupation text COLLATE pg_catalog."default",
    citizen text COLLATE pg_catalog."default",
    poi text COLLATE pg_catalog."default",
    photo text COLLATE pg_catalog."default",
    signature text COLLATE pg_catalog."default",
    fpiso text COLLATE pg_catalog."default",
    fpansi text COLLATE pg_catalog."default",
    readdt timestamp without time zone,
    rc text COLLATE pg_catalog."default" DEFAULT '99'::text,
    processlog text COLLATE pg_catalog."default" DEFAULT ''::text,
    CONSTRAINT ektp_pkey PRIMARY KEY (id)
)
```

4. Pendaftaran model terminal baru: NIR-62

```
INSERT INTO model(name) VALUES ('NIR-62');
```

5. Pendaftaran tipe transaksi baru: Read & Get E-KTP

```
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (200, 'Get Terminal App Info', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (201, 'Download Terminal App', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (202, 'Get Latest Agent App Info', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (203, 'Download Agent App', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (204, 'Validate Posting', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (205, 'Read E-KTP', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (206, 'Get E-KTP', 0, 0);
INSERT INTO Trxtype (id, description, dc, reversible) VALUES (207, 'Get E-KTP Ext', 0, 0);
```

```
UPDATE trxlog SET trxtypeid = 200 WHERE trxtypeid = 65;
UPDATE trxlog SET trxtypeid = 201 WHERE trxtypeid = 66;
UPDATE trxlog SET trxtypeid = 202 WHERE trxtypeid = 67;
UPDATE trxlog SET trxtypeid = 203 WHERE trxtypeid = 68;
UPDATE trxlog SET trxtypeid = 204 WHERE trxtypeid = 69;
UPDATE trxlog SET trxtypeid = 205 WHERE trxtypeid = 70;
UPDATE trxlog SET trxtypeid = 206 WHERE trxtypeid = 71;
```

```
UPDATE ProcessingCode SET trxtypeid = 200 WHERE code = '0900-200000';
UPDATE ProcessingCode SET trxtypeid = 201 WHERE code = '0900-210000';
UPDATE ProcessingCode SET trxtypeid = 202 WHERE code = '0900-300000';
UPDATE ProcessingCode SET trxtypeid = 203 WHERE code = '0900-310000';
UPDATE ProcessingCode SET trxtypeid = 204 WHERE code = '0100-352222';
```

```
DELETE FROM TrxType WHERE id IN (65,66,67,68,69,70,71);
```

Web Server

1. Copy file-file yang diperlukan untuk menu 'E-KTP'
2. Pendaftaran servlet baru: E-KTP di <tomcat directory\webapps\ROOT\WEB-INF\web.xml

```
<servlet>
  <servlet-name>ektpServlet</servlet-name>
  <servlet-class>id.co.nyra.gprofiler.server.servlets.EktpServiceImpl</servlet-class>
  <init-param>
    <param-name>rc.developer.enabled</param-name>
    <param-value>>false</param-value>
  </init-param>
</servlet>

<!-- EKTP -->
<servlet-mapping>
  <servlet-name>ektpServlet</servlet-name>
  <url-pattern>/ektp/ektpService</url-pattern>
</servlet-mapping>
```
3. Pendaftaran menu 'E-KTP' lewat web PINPad Management
4. Restart service Tomcat: /etc/init.d/tomcat 7 stop | start

Application Server

1. Stop service: `/etc/init.d/PPS stop`
2. Copy file-file yang diperlukan untuk modul E-KTP
3. Setting `<install dir>\classes\hibernate.cfg.xml`
`<mapping resource="id/co/nyra/npay/entity/Ektp.hbm.xml" />`
4. Setting `<install dir>\classes\log4j.xml`
`<appender name="AppenderEKTP" class="org.apache.log4j.DailyRollingFileAppender">`
 `<param name="File" value="log/ektp.log"/>`
 `<param name="DatePattern" value="'.yyyy-MM-dd'"/>`
 `<layout class="org.apache.log4j.PatternLayout">`
 `<param name="ConversionPattern" value="%d [%-20C{1}] %m%n"/>`
 `</layout>`
 `</appender>`

 `<logger name="id.co.nyra.npay.bjb.servlet.EKTP">`
 `<level value="ALL" />`
 `<appender-ref ref="AppenderEKTP"/>`
 `</logger>`
5. Setting `<install dir>\deploy\cfg\jetty.xml`
 `<Call name="addConnector">`
 `<Arg>`
 `<New class="org.eclipse.jetty.server.ssl.SslSelectChannelConnector">`
 `<Set name="Port">7443</Set>`
 `<Set name="maxIdleTime">30000</Set>`
 `<Set name="Acceptors">2</Set>`
 `<Set name="AcceptQueueSize">100</Set>`
 `<Set name="Keystore"><Property name="jetty.home" default="." />/deploy/cfg/jetty-bjb.jks</Set>`
 `<Set name="Password">OBF:19x419x619x819xa19xc19xe19xg19xi</Set>`
 `<Set name="KeyPassword">OBF:19x419x619x819xa19xc19xe19xg19xi</Set>`
 `<Set name="truststore"><Property name="jetty.home" default="." />/deploy/cfg/jetty-bjb.jks</Set>`
 `<Set name="trustPassword">OBF:19x419x619x819xa19xc19xe19xg19xi</Set>`
 `</New>`
 `</Arg>`
 `</Call>`
6. Setting `<install dir>\WebRoot\WEB-INF\web.xml`
 `<servlet>`
 `<description></description>`
 `<display-name>EKTP Service</display-name>`
 `<servlet-name>EKTP</servlet-name>`
 `<servlet-class>id.co.nyra.npay.bjb.servlet.EKTP</servlet-class>`
 `</servlet>`
 `<servlet-mapping>`
 `<servlet-name>EKTP</servlet-name>`
 `<url-pattern>/EKTP</url-pattern>`
 `</servlet-mapping>`
7. Jalankan service : `/etc/init.d/PPS start`