|  |  |
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| **No. FPP** | 042/FPP/VIII/2021 |
| **Judul Permintaan** | Automation Hold dan Unhold Remuneration Untuk Agen Lisensi Expired dan untuk permintaan manual |

|  |  |  |  |
| --- | --- | --- | --- |
| **Nama** | **Departemen/Divisi** | **Tanda Tangan** | **Tanggal** |
| Ruslan E. N. | IT Solution Delivery |  |  |
| Romtoni | IT Solution Delivery |  |  |
| Ari Anugrah Rajatadu Rebo | IT Application Support |  |  |

**Versi Dokumen**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Versi** | **Tanggal** | **Penulis** | **Pemeriksa** | **Deskripsi Perubahan** |
| 1.0 | 02-06-2022 | Romtoni |  | Initial dokumen |
| 1.1 | 09-06-2022 | Romtoni |  | Update Bab 3.5.1 |
| 1.2 | 22-06-2022 | Romtoni |  | * Update Bab 2, Bab 3.4.2, dan Bab 3.4.4 * Refresh daftar isi |
| 1.3 | 21-11-2022 | Romtoni |  | * Updare Bab 3.4.3 Setting Release BDS DB * Update Bab 3.5.1 Rollback Pada Server Database BDS |

**DAFTAR ISI**

[**1.** **PENDAHULUAN** 3](#_Toc106782856)

[**2.** **ANALISA DAMPAK** 3](#_Toc106782857)

[**3.** **IMPLEMENTASI** 3](#_Toc106782858)

[**3.1** **DAFTAR OBJECT** 3](#_Toc106782859)

[**3.2** **PRASYARAT** 3](#_Toc106782860)

[**3.3** **LANGKAH-LANGKAH BACKUP** 3](#_Toc106782861)

[3.3.1 BACKUP PADA SERVER APLIKASI BDS 3](#_Toc106782862)

[**3.4** **LANGKAH-LANGKAH IMPLEMENTASI** 3](#_Toc106782863)

[3.4.1 SETTING RELEASE BDS\_APP 3](#_Toc106782864)

[3.4.2 APPROVE PULL REQUEST BDS APP 5](#_Toc106782865)

[3.4.3 SETTING RELEASE BDS DB 6](#_Toc106782866)

[3.4.4 APPROVE PULL REQUEST BDS DB 8](#_Toc106782867)

[**3.5** **LANGKAH-LANGKAH ROLLBACK** 9](#_Toc106782868)

[3.5.1 ROLLBACK PADA SERVER DATABASE BDS 9](#_Toc106782869)

[3.5.2 ROLLBACK PADA SERVER APLIKASI BDS 9](#_Toc106782870)

[**4.** **LAMPIRAN** 10](#_Toc106782871)

# **PENDAHULUAN**

Dokumen ini berisi langkah-langkah implementasi layanan TI untuk 042FPPVIII2021- Automation Hold dan Unhold Remuneration Untuk Agen Lisensi Expired dan untuk permintaan manual. Implementasi yang akan dilakukan meliputi:

* Proses deploy aplikasi BDS
* Proses deploy database ADMIN\_SKT

# **ANALISA DAMPAK**

| **No** | **Aplikasi/Layanan TI** | **Apakah Terkena Dampak?** | **Penjelasan Dampak** |
| --- | --- | --- | --- |
| 1 | Aplikasi BDS | Ya | Automation Hold dan Unhold Remuneration Untuk Agen Lisensi Expired |

# **IMPLEMENTASI**

## **DAFTAR OBJECT**

| **No** | **File/Nama Object** | **Tipe Object** | **Lokasi Object** | **Catatan** |
| --- | --- | --- | --- | --- |
| 1 | BDS\_APP | Aplikasi PHP | [https://dev.azure.com/bli-org01/DP\_APP\_DB/\_git/BDS\_APP](https://dev.azure.com/bli-org01/DP_APP_DB/_git/BPAY_APP) |  |
| 2 | BDS\_DB | SQL | <https://dev.azure.com/bli-org01/DP_APP_DB/_git/BDS_DB> |  |

## **PRASYARAT**

1. **Memiliki user untuk mengakses azure devops**
2. **Sudah melakukan instalasi Agent Pool di server BDS dengan nama PROD-BDS-AGENT**

## **LANGKAH-LANGKAH BACKUP**

### BACKUP PADA SERVER APLIKASI BDS

Proses backup dijalankan otomatis dalam proses CICD

## **LANGKAH-LANGKAH IMPLEMENTASI**

### SETTING RELEASE BDS\_APP

| **No** | **Task** | **Task Dependencies** | **Notes** | **PIC** |
| --- | --- | --- | --- | --- |
| 1 | Login DevOps project **DP\_APP\_DB** | - | Login ke server azure devops  <https://dev.azure.com/bli-org01/DP_APP_DB> | IT |
| 2 | Cek dan pastikan **Agent Pool** pada **Pipeline Release** sudah sesuai | Task 1 | * Klik menu [**Pipelines**] * Klik submenu [**Releases**] * Klik pipeline [**PROD**] > [**PROD – BDS – APP**] * Klik button [**Edit**]      * Klik button [**Tasks**]      * Pilih [**Agent Pool**] sesuai dengan nama server Aplikasi BDS | IT |
| 3 | Cek dan pastikan parameter pada **Pipeline Release** sudah sesuai | Task 2 | * Klik button [**Variables**]      * Pastikan semua value parameter **Release** berikut sudah sesuai      |  |  | | --- | --- | | **Pipeline Variable Name** | **Value** | | APP\_SOURCE | [Lokasi Source Aplikasi BDS]  **Contoh: C:\Apache24\BDS** | | DIRECTORY | [Lokasi Source yang akan dideploy]  **C:\implementasi** | | DIRECTORY\_BACKUP | [Lokasi Tujuan Backup]  **C:\backups** | | DIRECTORY\_JOBS | [Lokasi File JOBS]  **C:\jobs** | | FOLDER\_NAME | [Lokasi Folder Hasil Build Pipeline]  **C:\deployment** |  * Klik tombol [**Save**] | TI |

### APPROVE PULL REQUEST BDS APP

| **No** | **Task** | **Task Dependencies** | **Notes** | **PIC** |
| --- | --- | --- | --- | --- |
| 1 | Login DevOps project **DP\_APP\_DB** Repository **BDS\_APP** | - | * Login ke server azure devops * Masuk ke Repository **BDS\_APP** | TI |
| 2 | Cek dan Pastikan sudah terdapat **Pull Request** dengan Nomor FPP **042FPP2021** | Task 1 | * <https://dev.azure.com/bli-org01/DP_APP_DB/_git/BDS_APP/pullrequests?_a=active> |  |
| 3 | Lakukan Proses Approval **Pull Request** | Task 2 | * Klik Pull Request dengan Nomor FPP **042FPP2021** * Klik **Approve** -> **Approve** | TI |
| 4 | Pastikan Proses Pull Request Complete dan Berhasil | Task 3 | * Klik **Complete** -> **Complete**      * Pilih merge type ( **Merge (no fast forward)** ) * **Centang** complete associated work items after merging * Klik **Complete Merge** * Pastikan pull request complete | TI |
| 5 | Pastikan Proses Release Berhasil |  | * Klik menu [**Pipelines**] * Klik submenu [**Releases**] * Klik pipeline [**PROD**] > [**PROD – BDS – APP**] * Pada Tab [**Releases]** Pastikan **Stages** berhasil dijalankan dan menampilkan **Centang Hijau** | TI |
| 6. | Extrak file di samping pada folder /htdocs/APP\_FILES/BDS  Yaitu : /EXCEL\_CLAWBACK/index.php |  |  | TI |

### SETTING RELEASE BDS DB

| **No** | **Task** | **Task Dependencies** | **Notes** | **PIC** |
| --- | --- | --- | --- | --- |
| 1 | Login DevOps project **DP\_APP\_DB** | - | Login ke server azure devops  <https://dev.azure.com/bli-org01/DP_APP_DB> | TI |
| 2 | Cek dan pastikan **Agent Pool** pada **Pipeline Release** sudah sesuai | Task 1 | * Klik menu [**Pipelines**] * Klik submenu [**Releases**] * Klik pipeline [**PROD**] > [**PROD – BDS – DB**] * Klik button [**Edit**]      * Klik button [**Tasks**]      * Pilih [**Agent Pool**] sesuai dengan nama server Database BDS | TI |
| 3 | Cek dan pastikan parameter pada **Pipeline Release** sudah sesuai | Task 2 | * Klik button [**Variables**]      * Pastikan semua value parameter **Release** berikut sudah sesuai   RELEASE DB 3   |  |  | | --- | --- | | **Pipeline Variable Name** | **Value** | | DB\_HOST | [Koneksi Ke Database BDS]  **Contoh: (DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(Host=[IP DATABASE])(Port=[PORT]))(CONNECT\_DATA=(SID=[SID])))** | | DB\_PASSWORD | [Password Database] | | DB\_USER | [User Datasbase]  **Contoh : ADMIN\_SKT** | | DIRECTORY | [Lokasi Script yang akan dideploy]  **C:\implementasi** | | FOLDER\_NAME | [Lokasi Folder Hasil Build Pipeline]  **deployment** | | FPP\_NO | [NO FPP] |  * Klik tombol [**Save**] | TI |

### APPROVE PULL REQUEST BDS DB

| **No** | **Task** | **Task Dependencies** | **Notes** | **PIC** |
| --- | --- | --- | --- | --- |
| 1 | Login DevOps project **DP\_APP\_DB** Repository **BDS\_DB** | - | * Login ke server azure devops * Masuk ke Repository **BDS\_DB** | TI |
| 2 | Cek dan Pastikan sudah terdapat **Pull Request** dengan Nomor FPP **042FPP2021** | Task 1 | * [https://dev.azure.com/bli-org01/DP\_APP\_DB/\_git/BDS\_DB/pullrequests?\_a=active](https://dev.azure.com/bli-org01/DP_APP_DB/_git/BPAY_DB/pullrequests?_a=active) |  |
| 3 | Lakukan Proses Approval **Pull Request** | Task 2 | * Klik Pull Request dengan Nomor FPP **042FPP2021** * Klik **Approve** -> **Approve** | TI |
| 4 | Pastikan Proses Pull Request Complate dan Berhasil | Task 3 | * Klik **Complete** -> **Complete**      * Pilih merge type ( **Merge (no fast forward)** ) * **Centang** complete associated work items after merging * Klik **Complete Merge** * Pastikan pull request complete | TI |
| 5 | Pastikan Proses Release Berhasil |  | * Klik menu [**Pipelines**] * Klik submenu [**Releases**] * Klik pipeline [**PROD**] > [**PROD – BDS – DB**] * Pada Tab [**Releases]** Pastikan **Stages** berhasil dijalankan dan menampilkan **Centang Hijau** | TI |
| 6 | Cek table RF\_PARAMETER |  | * Lihat kolom VAL\_PARAM untuk KD\_PARAM = ‘API\_LDAP * Cek apakah API LDAP sudah sesuai dengan API LDAP yang dipakai pada server production atau belum * Bila belum, ganti manual dengan API tersebut   Contoh di dev :  {"API\_URL" : "**[URL\_ENDPOINT\_LDAP]**","ENCYPT\_KEY":"1y4p0ZNA365m2DoNqRvdQlgXMqP8YeJn","SECRET\_IV":"e7wvP9KdWoQNM1Xa"}  Menjadi  {"API\_URL" : "**http://172.20.54.16:3100/api/v1/bli/ad/** ","ENCYPT\_KEY":"1y4p0ZNA365m2DoNqRvdQlgXMqP8YeJn","SECRET\_IV":"e7wvP9KdWoQNM1Xa"} |  |

## **LANGKAH-LANGKAH ROLLBACK**

Langkah-langkah Rollback hanya akan dijalankan jika terjadi kegagalan dalam implementasi dan ada instruksi dari IT BA.

### ROLLBACK PADA SERVER DATABASE BDS

| **No** | **Task** | **Task Dependencies** | **Notes** | **PIC** |
| --- | --- | --- | --- | --- |
| 1 | Login ke server database Oracle BDS |  | User login harus mempunyai akses ke skema **ADMIN\_SKT** untuk melakukan:   * Drop/Create/Replace Procedures * Drop/Alter/Delete Table * Delete/Insert/Update Records | TI |
| 2 | Jalankan script Rollback  **Rollback.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 3 | Jalankan script Rollback  **BDS\_CRT\_FLAG\_PROSES\_REMUN\_NEW.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 4 | Jalankan script Rollback  **BDS\_INS\_DATA\_BDS\_LAINNYA.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 5 | Jalankan script Rollback  **BDS\_INS\_DATA\_TM\_BDS.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 6 | Jalankan script Rollback  **BDS\_INS\_DATA\_V\_BLS.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 7 | Jalankan script Rollback  **BDS\_INS\_REWARD\_LAINNYA.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 8 | Jalankan script Rollback  **BDS\_JOBS\_REMUN\_PERSIAPAN\_NEW.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 9 | Jalankan script Rollback  **BDS\_KRM\_REWARD\_LAINNYA.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 10 | Jalankan script Rollback  **JOBS\_HARIAN\_MIDNIGHT.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 11 | Jalankan script Rollback  **SP\_ROLLBACK\_DROPPING\_REMUNXCSV.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 12 | Jalankan script Rollback  **BDS\_VER\_REWARD\_LAINNYAsql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 13 | Jalankan script Rollback  **BDS\_REMUNERASI\_PERSIAPAN\_NEW.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 14 | Jalankan script Rollback  **SP\_HITUNG\_APPROVE\_REMUN.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 15 | Jalankan script Rollback  **V\_BDS\_REMUNERASI\_SDH\_DROP\_BNIN.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 16 | Jalankan script Rollback  **V\_BDS\_REMUNERASI\_SDH\_DROP\_BRIN.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 17 | Jalankan script Rollback  **V\_BDS\_REMUNERASI\_SDH\_DROPXBNIN.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 18 | Jalankan script Rollback  **V\_BDSREMUN\_SDHDROP\_BNI\_NONORGN.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 19 | Jalankan script Rollback  **V\_BDSREMUN\_SDHDROP\_BRI\_NONORGN.sql** | Task 1 | Lokasi Script: Script\Rollback | TI |
| 20 | Jalankan script Rollback  **V\_BDSREMUN\_SDHDROPXBNI\_NONORGNsql** | Task 1 | Lokasi Script: Script\Rollback | TI |

### ROLLBACK PADA SERVER APLIKASI BDS

Folder backup sesuai folder yang dibuat pada bab 3.4.1 Setting Release BDS\_APP Task 3

| **No** | **Task** | **Task Dependencies** | **Notes** | **PIC** |
| --- | --- | --- | --- | --- |
| 1 | Login ke server Aplikasi BDS | - | User remote mempunyai akses untuk melakukan delete folder dan copy file | TI |
| 2 | Rollback file PHP | 3.4.2 Approval Pull Request BDS APP | Copy & Replace folder **browsers** dari folder backup ke server aplikasi BDS | TI |
| 3 | Rollback file PHP | 3.4.3 Approval Pull Request BDS APP | Copy & Replace folder **modul\_kp** dari folder backup ke server aplikasi BDS | TI |
| 4 | Rollback file PHP | 3.4.3 Approval Pull Request BDS APP | Copy & Replace folder **modul\_keagenan** dari folder backup ke server aplikasi BDS | TI |

# **LAMPIRAN**