**Product Definition Guide**

**Application PackagingSoftware Request Form**

**Document History**

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| Author | Version Number | Modified Date | Status | Description of Change |
| Margarita Corpuz | 1.0 | 23/02/2023 | Initial Version | First Draft |
| Jude Genargue | 1.1 | 25/10/2023 |  | Updated Target Environment |
| Maciej Wiewiórski | 1.2 | 03/01/2024 |  | Software Owner Added |

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| **Document Reviewer Name:** | Jude Genargue | **Reviewed Date:** | 06-29-2023 |

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| **Document Approver Name:** | Adney Luiz | **Approved Date:** |  |

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| **Effective Date:** | 06-29-2023 |

**Reference Documents**

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| *Document name* | *File identification* |
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**Reference Documents**

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| 2 | Uninstall Routine |
| 3 | Post Setup Configuration |
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| **Part 1 – NCR Information – (Non Catalogue Request)** | [**Go to Main Page**](#Home) |

**To be completed by Application Owner**

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| **Section 1: Request Details** | |
| ServiceNow Service Request Ticket# |  |
| Software Owner (e-mail or Name, Surname) | Ex.john.doe@cevalogistics.com |
| Name of Product and Version ***“Manufacturer\_Application Name\_Version”*** | Ex. WiseTech Global\_CargoWise One Citrix Services\_1.7.7  Citrix\_Workspace 2102\_21.02.0.25 |
| Please provide short description of what the software will be used for  ***“This description will be shown in the details field of Company Portal to help users understanding what the software / application is used for”*** | PostgreSQL will be used as a database server for the warehouse application. |
| Upgrade to existing or New Application | New Upgrade  ***(If Upgrade, please be precise which software and version that must be superseded)*** |
| Deployment Type | Available Required  ***Available Deployment:*** *User will be the one to install the software via Software Center* ***Required Deployment:*** *Application is automatically installed to the user’s machine* |
| Location of Media  provide the repository path or URL Link for download | https://www.enterprisedb.com/postgresql-tutorial-resources-training-2?uuid=d732dc13-c15a-484b-b783-307823940a11&campaignId=Product\_Trial\_PostgreSQL\_16 |
| Attach software icon as a file   Please use .ico or .png file types  This icon will be shown in Company Portal |  |
| Target Environment | Windows 10/11  Windows Server |
| Application Architecture | 32bit  64bit |
| Does the product need a Licence to install? | Choose an item.  A Volume or Multiple-user licence. List of users to be shared  An Individual Client licence which will need to be entered as a Post-Install task  A licence is obtained from the server product when the application is run Specify the number of licences:  No licence is required to run this application  Other (please give details): |
| Where you have indicated that a license key is needed, please supply it here | License key: |
| Will this application be set to auto-update? | Yes No |
| Pre-requisites and Dependencies | Yes No  *(If yes, lists all requirements in order ex. .Net Framework)* |
| Does the software require a silent installation? | Yes No |
| Command Parameter to use ***(kindly detail the command to use)*** |  |
| Manager’s Approval | yes |

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| **Section 2:** **Key Contact Details** (Test User Information) | | | |
| Test User1 Details | Name: | User ID: | Device ID/Name: |
| Test User2 Details | Name: | User ID: | Device ID/Name: |
| Test User3 Details | Name: | User ID: | Device ID/Name: |
| Estimated Number of Users |  | | |

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| **For Available Users ONLY**  Should the application be made available only for some restricted users?  If yes, please mention the Usernames/User IDs who need to receive this application.  If no, the application will be made available to all users  **Yes, available for ALL USERS** | | | |
| User1 Details | Name: | User ID: | Device ID/Name: |
| User2 Details | Name: | User ID: | Device ID/Name: |
| User3 Details | Name: | User ID: | Device ID/Name: |

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| **Part 2 – Technical Discovery Information** | [**Go to Main Page**](#Home) |

**To be completed by Application Owner**

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| **Section 1: Installation Routine**  (Please define the installation and un-installation steps in detail. Provide screenshots where necessary. Add more rows as required. **This includes the uninstall of any previous products this product is replacing.**)  **Installation steps of the new product with all the necessary screenshots.** | |
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| **STEP DETAILED INFORMATION** | **STEP SCREENSHOT** |
| **Install Step 2:**  Download postgresql-16.2-1-windows-x64.exe from this link: <https://www.enterprisedb.com/postgresql-tutorial-resources-training-2?uuid=d732dc13-c15a-484b-b783-307823940a11&campaignId=Product_Trial_PostgreSQL_16> |  |
| **Install Step 2:** Click next |  |
| **Install Step 3:** Click Next |  |
| **Install Step 4:** Uncheck the Stack Builder component |  |
| **Install Step 5:** Click Next |  |
| **Install Step 6:** Enter password | Choose a password that will be used to access the database. |
| **Install Step 7:** Set the port number to be 5432 |  |
| **Install Step 8:** Click Next |  |
| **Install Step 9:** Click Next |  |
| **Install Step 10:** Click Next |  |
| **Install Step 11:** Wait while Setup installs PostgreSQL |  |
| **Install Step 12:** Click finish and the installation of PostgreSQL is done. |  |
| **Application Entry on**  **Programs and Features** |  |
| **Shortcuts** |  |
| **Install Directory** | Default path |

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| **Section 2: Uninstall Routine**  (Only if uninstall is specific and required by the software / application  Indicate the steps and options that need to be retained if not the default Windows uninstall behaviour) | |
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| **STEP DETAILED INFORMATION** | **STEP SCREENSHOT** |
| **Install Step 1:** Go to the directory that contains PostgreSQL. It should be C:\Program Files\PostgreSQL\16 |  |
| **Install Step 2:** Find the uninstall-postgresql application and run it. |  |

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| **Section 3: Post Setup Configuration**  Does the software require post setup configuration?  Yes No  ***If Yes, please provide installation instructions and snapshot:*** | |
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| **STEP DETAILED INFORMATION** | **STEP SCREENSHOT** |
| **Setup database server:** |  |
| **Install Step 1:** Run the pgAdmin application |  |
| **Install Step 2:** Double click on the Servers menu on the left side of the screen. |  |
| **Install Step 3:** Enter the password you set up during installation. |  |
| **Install Step 4:** Right-click Databases |  |
| **Install Step 5:** Select Create > Database... |  |
| **Install Step 6:** Name the new database storage and click Save. The newly created database should appear among the databases. |  |
| **Install Step 7:** Launch the cmd (command line) |  |
| **Install Step 8:** run this commandcd C:\Program Files\PostgreSQL\16\bin The path may be different if you have chosen a different location to save to. |  |
| **Install Step 9:** Download the script to create the database: <https://github.com/TIS2023-FMFI/sklad/blob/main/src/createscript.sql>  and save it to a suitable location on your computer |  |
| **Install Step 10:** Run the following command at the command prompt: psql -U postgres -d storage -f <createscript\_path>  (<createscript\_path> = replace with the path where the script you downloaded in the previous point is located) |  |
| **Install Step 11:** Enter the password for the user. |  |
| **Install Step 12:** The script will run and upload the necessary data to the database. In pgAdmin 4 we can check if the necessary tables have been created. |  |
| **Install Step 13:** Open the file C:\Program Files\PostgreSQL\16\data\ postgresql.conf in Notepad |  |
| **Install Step 14:** Set listen\_addresses = '\*' and save it. |  |
| **Install Step 15:**  Find out the IPv4 address of the computer on which the database will be running and its subnet mask of the LAN. Based on the data provided, calculate the IP range in CIDR notation (IP address range). |  |
| **Install Step 16:** Open the file C:\Program Files\PostgreSQL\16\data\pg\_hba.conf |  |
| **Install Step 17:** Add a line to the file under IPv4 local connections:  host all all <IP\_RANGE> scram-sha-256  (replacing <IP\_RANGE> with the calculated value.) |  |
| **Install Step 18:** Save the changes |  |
| **Setup Firewall:** |  |
| **Install Step 1:** Launch the Windows Defender Firewall |  |
| **Install Step 2:** Click on Allow an app or feature through Windows Defender Firewall. |  |
| **Install Step 3:** Click Allow another app. If this option is not available, press the Change settings button. |  |
| **Install Step 4:** Select the database server located at C:\Program Files\PostgreSQL\16\bin\postgres.exe. |  |
| **Install Step 5:** Then press the button for Network types. |  |
| **Install Step 6:** Both the private and public checkboxes should be checked, if they are not select them. Press the OK button. |  |
| **Install Step 7:** Press the add button. |  |

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| **Section 4: Additional Information** | |
| Provide any **additional information not covered above** that may be helpful in fulfilling your request. | A Local Area Network (LAN) must be established through which the computers will communicate with the database server. |

**Admin Use**

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| Issue No. | Date | Modified By | Change Details |
| 1.0 | 02/23/2023 | Margarita Corpuz | Release version |
| 1.1 | 10/25/2023 | Jude Genargue | Updated Target Environment |
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