

## Structure of bisystem database with its connection tables.

### *Bisystem database Primary-Keys and Foreign-Keys structure.*

|    | table_from<br>regclass | conname<br>name                  | pg_get_constraintdef<br>text  |
|----|------------------------|----------------------------------|---|
| 1  | accounts               | accounts_pkey                    | PRIMARY KEY ("accountID")   |
| 2  | afdrachten             | afdrachten_pkey                  | PRIMARY KEY ("afdrachtID")  |
| 3  | artikelen              | artikelen_pkey                   | PRIMARY KEY ("artikelID")   |
| 4  | artikelmutaties        | artikelmutaties_pkey             | PRIMARY KEY ("mutatieID")   |
| 5  | artikelmutaties        | orders_inkoop_orderinkoopID_fkey | FOREIGN KEY ("orderinkoopID") REFERENCES orders_inkoop("orderinkoopID") |
| 6  | artikelmutaties        | orders_intern_werkorderID_fkey   | FOREIGN KEY ("werkorderID") REFERENCES orders_intern("werkorderID")     |
| 7  | artikelmutaties        | werken_werknummerID_fkey         | FOREIGN KEY ("werknummerID") REFERENCES werken("werknummerID")          |
| 8  | artikelmutaties        | artikel_artikelID_fkey           | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 9  | artikelmutaties        | orders_verkoop_ovbestelID_fkey   | FOREIGN KEY ("ovbestelID") REFERENCES orders_verkoop("ovbestelID")      |
| 10 | calculaties            | calcID_pkey                      | PRIMARY KEY ("calcID")  |
| 11 | cluster_artikelen      | cluster_artikelen_pkey           | PRIMARY KEY ("cluster_artID")   |
| 12 | cluster_artikelen      | clusters_clusterID_fkey          | FOREIGN KEY ("clusterID") REFERENCES clusters("clusterID")              |
| 13 | cluster_artikelen      | artikelen_artikelID_fkey         | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 14 | clusters               | clusters_pkey                    | PRIMARY KEY ("clusterID")   |
| 15 | derving                | dervingID_pkey                   | PRIMARY KEY ("dervingID")   |
| 16 | dienstenmutaties       | derdenmutaties_pkey              | PRIMARY KEY ("mutatieID")   |
| 17 | dienstenmutaties       | leveranciers_leverancierID_fkey  | FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")  |
| 18 | dienstenmutaties       | orders_inkoop_orderinkoopID      | FOREIGN KEY ("orderinkoopID") REFERENCES orders_inkoop("orderinkoopID") |
| 19 | dienstenmutaties       | werken_WerknummerID_fkey         | FOREIGN KEY ("werknummerID") REFERENCES werken("werknummerID")          |
| 20 | icalculaties           | icalcID_pkey                     | PRIMARY KEY ("icalcID")   |
| 21 | icluster_artikelen     | icluster_artID_pkey              | PRIMARY KEY ("icluster_artID")  |
| 22 | icluster_artikelen     | iclusters_iclusterID_fkey        | FOREIGN KEY ("iclusterID") REFERENCES iclusters("iclusterID")           |
| 23 | icluster_artikelen     | artikelen_artikelID_fkey         | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 24 | iclusters              | iclusterID_pkey                  | PRIMARY KEY ("iclusterID")  |
| 25 | klanten                | klanten_pkey                     | PRIMARY KEY ("klantID")   |
| 26 | klanten                | accounts_accountID_fkey          | FOREIGN KEY ("accountID") REFERENCES accounts("accountID")              |
| 27 | koper_accounts         | kopers_accounts_pkey             | PRIMARY KEY ("koperaccID")  |
| 28 | koper_accounts         | kopers_koperID_fkey              | FOREIGN KEY ("koperID") REFERENCES kopers("koperID")                    |
| 29 | koper_accounts         | accounts_accountID_fkey          | FOREIGN KEY ("accountID") REFERENCES accounts("accountID")              |
| 30 | kopers                 | verkoopbedrijven_pkey            | PRIMARY KEY ("koperID")   |

|    | table_from<br>regclass   | conname<br>name                  | pg_get_constraintdef<br>text  |
|----|--------------------------|----------------------------------|---|
| 31 | lev_accounts             | lev_accounts_pkey                | PRIMARY KEY ("levaccID")  |
| 32 | lev_accounts             | leveranciers_leverancierID       | FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")  |
| 33 | lev_accounts             | accounts_accountID               | FOREIGN KEY ("accountID") REFERENCES accounts("accountID")              |
| 34 | leveranciers             | leveranciers_pkey                | PRIMARY KEY ("leverancierID")   |
| 35 | lonen                    | lonen_pkey                       | PRIMARY KEY ("loonID")  |
| 36 | loonbetalingen           | loonbetalingen_pkey              | PRIMARY KEY ("betalingID")  |
| 37 | loonbetalingen           | account.accountID_fkey           | FOREIGN KEY ("accountID") REFERENCES accounts("accountID")              |
| 38 | loonbetalingen           | werknemers.werknemerID_fkey      | FOREIGN KEY ("werknemerID") REFERENCES werknemers("werknemerID")        |
| 39 | magazijnvoorraad         | magazijnvoorraad_pkey            | PRIMARY KEY (jaarmaand)   |
| 40 | materiaallijsten         | matlijstID                       | PRIMARY KEY ("matlijstID")  |
| 41 | materiaallijsten         | artikelen.artikelID_fkey         | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 42 | orders_inkoop            | orders_inkoop_pkey               | PRIMARY KEY ("orderinkoopID")   |
| 43 | orders_inkoop            | leveranciers_leverancierID_fkey  | FOREIGN KEY ("leverancierID") REFERENCES leveranciers("leverancierID")  |
| 44 | orders_inkoop_artikelen  | orders_inkoop_artikelen_pkey     | PRIMARY KEY ("ordartlevID")   |
| 45 | orders_inkoop_artikelen  | artikelen_artikelID_fkey         | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 46 | orders_inkoop_artikelen  | orders_inkoop_orderinkoopID_fkey | FOREIGN KEY ("orderinkoopID") REFERENCES orders_inkoop("orderinkoopID") |
| 47 | orders_inkoop_diensten   | orders_inkoop_diensten_pkey      | PRIMARY KEY ("orddienstlevID")  |
| 48 | orders_inkoop_diensten   | orders_inkoop_orderinkoopID      | FOREIGN KEY ("orderinkoopID") REFERENCES orders_inkoop("orderinkoopID") |
| 49 | orders_inkoop_diensten   | werken_werknnummerID_fkey        | FOREIGN KEY ("werknummerID") REFERENCES werken("werknummerID")          |
| 50 | orders_intern            | orders_intern_pkey               | PRIMARY KEY ("werkorderID")   |
| 51 | orders_intern            | artikelen_artikelID_fkey         | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 52 | orders_verkoop           | orders_verkoop_pkey              | PRIMARY KEY ("ovbestelID")  |
| 53 | orders_verkoop           | klanten_klantID_fkey             | FOREIGN KEY ("klantID") REFERENCES klanten("klantID")                   |
| 54 | orders_verkoop_artikelen | orders_verkoop_artikelen_pkey    | PRIMARY KEY ("ovaID")   |
| 55 | orders_verkoop_artikelen | artikelen_artikelID_fkey         | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")             |
| 56 | orders_verkoop_artikelen | orders_verkoop_ovbestelID        | FOREIGN KEY ("ovbestelID") REFERENCES orders_verkoop("ovbestelID")      |
| 57 | params                   | params_pkey                      | PRIMARY KEY ("paramID")   |
| 58 | params                   | lonen_loonID_fkey                | FOREIGN KEY ("loonID") REFERENCES lonen("loonID")                       |
| 59 | plaats                   | Plaats_pkey                      | PRIMARY KEY ("plaatsID")  |
| 60 | postcodes                | postcodes_straatID_fkey          | FOREIGN KEY ("straatID") REFERENCES straat("straatID")                  |

|    | table_from<br>regclass | conname<br>name             | pg_get_constraintdef<br>text                                     |
|----|------------------------|-----------------------------|--|
| 61 | raaplijst              | lijstID_pkey                | PRIMARY KEY ("lijstID")  |
| 62 | resultaten             | resultaten_resID_pkey       | PRIMARY KEY ("resID")  |
| 63 | resultaten_status      | resultaten_status_pkey      | PRIMARY KEY ("rID")  |
| 64 | straat                 | Straat_pkey                 | PRIMARY KEY ("straatID")   |
| 65 | straat                 | straat_plaatsID_fkey        | FOREIGN KEY ("plaatsID") REFERENCES plaats("plaatsID")           |
| 66 | webbestellingen        | webID_pkey                  | PRIMARY KEY ("webID")  |
| 67 | webbestellingen        | artikelID_fkey              | FOREIGN KEY ("artikelID") REFERENCES artikelen("artikelID")      |
| 68 | webretouren            | retourID_pkey               | PRIMARY KEY ("retourID")   |
| 69 | werken                 | werken_pkey                 | PRIMARY KEY ("werknummerID")                                     |
| 70 | werknemers             | werknemers_pkey             | PRIMARY KEY ("werknemerID")                                      |
| 71 | werknemers             | lonen_loonID_fkey           | FOREIGN KEY ("loonID") REFERENCES lonen("loonID")                |
| 72 | werknemers             | accounts_accountID_fkey     | FOREIGN KEY ("accountID") REFERENCES accounts("accountID")       |
| 73 | wrkwnrln               | wrkwnrln_pkey               | PRIMARY KEY ("wrkwnrurenID")                                     |
| 74 | wrkwnrln               | lonen_loonID_fkey           | FOREIGN KEY ("loonID") REFERENCES lonen("loonID")                |
| 75 | wrkwnrln               | werknemers_werknemerID_fkey | FOREIGN KEY ("werknemerID") REFERENCES werknemers("werknemerID") |