What is CANdb++ Admin?
A key component in the development of CAN/CAN FD networks is the communication description in the form of DBC files. It serves as the foundation for all other development steps such as
> simulation and analysis of bus communications,
> configuration of the ECU/LRU software and detailed ECU/LRU tests.

The DBC databases describe the properties of the CAN/CAN FD network, the ECUs/LRUs connected to the bus and the messages and signals.

CANdb++ Admin – with extended support of the protocols J1939/ISO11783 as well as J1708/J1587 and ARINC 429 – gives users the capabilities needed to visualize the DBC databases, create new databases or modify data in existing databases.

Overview of Advantages
> The functionality specifically tailored for J1939/ISO11783, J1708/J1587 and ARINC 429 bus systems as well as the integration of the database into the Vector tool chain for J1939 makes CANdb++ Admin an important tool for developers of communication networks and suppliers of components.
> CANdb++ Admin offers functions to draw up communication matrices for complete vehicles as well as for aircrafts and it enables, among other things the exposition of the signal routing via gateways and timing analysis for estimating the run-time behavior of networks.
> In addition, the CANdb++ data model can be customized via additional attributes to suit various requirements.

Definition of CAN messages with J1939 specific parameters
Program Variants
Admin: This variant was developed specifically for designers of networks and communication matrices. It offers special functions:
> Defining multiple networks in one database
> Timing analysis
> Comparing databases

Editor: This variant is a version of the Admin variant with reduced functionality. Its main purpose is the analysis and adaptation of existing DBC databases. The creation of smaller databases is also possible with this version. The Editor version is included in the scope of delivery of several Vector products, such as CANalyzer/CANoe. It can also be downloaded free of charge from the Vector homepage.

Application Areas
Design of communication matrices:
> Definition of communication objects for ECUs/LRUs and for networks in vehicles and aircrafts
> Analysis of the networks with respect to the expected time behavior (bus load, transmission times, etc.)
> Specialized, user-oriented views of the communication data
> Specification of send and receive relationships with the necessary attributes (send behavior, cycle time, receive timeouts)

Use of data in the development process for distributed systems:
> Exporting data subsets of a network or ECU/LRU for transfer to a supplier
> Complete support of the Vector DBC format as a de facto standard for describing communication data

All about CANdb++ Admin:
www.vector.com/candb-admin