



Dynamic composite key to link spatial database to external database

G.Sajeevan

Centre for Development of Advanced Computing (C-DAC), Pune University Campus, India

Email: sajeevan@cdac.in

(Received: 17 February, 2011; in final form 18 November, 2011)

Abstract: Software applications generally require data from various sources possibly maintained in different databases. Traditionally in Geographic Information System (GIS), Primary key is used for linking intrinsic database to external databases. It is expected that there be a Primary key in the GIS database table column and a corresponding Foreign key (not a Composite key) in the external database table column. In this paper, a Primary key, coined here as ‘dynamic composite key’, of flexible size is demonstrated for dynamic linking of spatial database to external database. The dynamic composite key is generated automatically by concatenating flexible individual keys separated by a special character.

Keywords: dynamic composite key, composite key, primary key and foreign key