

EXPERIMENT-4

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STATIC ROUTING

Aim: To establish the static routing network working system.

PROCEDURE:

(i) Circuit Connection :-

- * Two 2811 routers, two switches and four PC's.
- * Connect routers with serial DCE connector.

(ii) Router WIC-17 setup :-

- * Go to the router config and switch off the power and select WIC-17 module, drag and drop on the router physical device view.
- * Switch on the power, apply the same for second router.

(iii) PC IP config :-

- * Assign class A address for PC's.
- * Set the default gateway for router fast ethernet IP config.

• Just see the port status

(iv) Router Static Configurations

• Assign class C address and subnet mask for router serial IP config.

• Get into routing \rightarrow start part of router config menu.

\rightarrow Network: IP range of PC's in another router connection.

\rightarrow Mask: Assign subnet mask.

\rightarrow Next HOP: Serial IP of another router.

Result :-

Hence, the static routing has been enabled and ping status works.

Diagram :-





