Case Study

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भारत सरकार का दूरसंचार प्रौद्योगिकी केन्द्र

सी-डॉट
C-DOT

Centre for Development of Telematics
Telecom Technology Centre of Govt. Of India

"Think Enterprise Access Control Solutions, Think Smart I "

C-DOT Center for Development of Telematics is the Telecom Technology development centre of the Government of India. It was established in August 1984 as an autonomous body. It was vested with full authority and total flexibility to develop state-of-the-art telecommunication technology to meet the needs of the Indian telecommunication network. The key objective was to build a centre for excellence in the area of telecom technology.

In the initial years, C-DOT triggered a telecom revolution in the rural India that was responsible for all-round socio-economic development. Rural India gained access to a whole new world of opportunities as they got connected globally. As part of its development process, C-DOT has spawned a wide base of equipment manufacturers and component vendors for the industry. The state-of-the-art R&D facilities at its Delhi and Bangalore campuses are comparable with the best in the world.

Requirements:-

C-DOT has a huge capacity of data center. The data centers are equipped with a large number of server racks. Operation of the server racks were with mechanical locking systems, there was no further record available, to check who operates the server rack at what time?

C-DOT required a complete Biometric based Access Control Solution for their server racks. The solution should be access control panel in 1U rack which should control front door (cold aisle) and back door (hot aisle) of Server Rack. The door should be only open for authorised user. They required the Linux Based software with SNMP Alerts. SNMP Alerts should be generated for various events ie; Unauthorized Access, DOTL, Door Force Open, etc.

Solution Offered:-

Smart I has deployed the solution through our Integration Partner, as they are manufacturer of Server Rack so we have offered a complete solution to C-DOT. The Server rack equipped with specialized rack lock. Smart I offered the solutions with 2 Door Rack Access Control Panel in 1 U Rack mounting (smartXS -1U Rack) which controls front door (cold aisle) lock and back door lock (hot aisle) of Server Rack. The control panel is connected to the Biometrics reader which are placed at front and back side of Server Rack. It authenticate the users credentials by placing their finger, if user will be authentic then only server rack door will be open.

In software we have deployed exclusively developed Linux base Access management Software with SNMP Alerts. SNMP Alerts generated for various events ie; Unauthorized Access, DOTL, Door Force Open, etc. All the transactions are stored in software for further report generation. All the alerts are sent

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Highlights of Project:

Solution	Rack Access Control Panel + Biometric Reader
Total No of Rack Access Control Panel	118
Total No. of Biometric Reader	236
Software	**Linux Based Access Management Software**
Integration	**Rack Access Control Panel & Biometric Reader integration with lock (Specialized lock for Server Rack)**

Installation:-