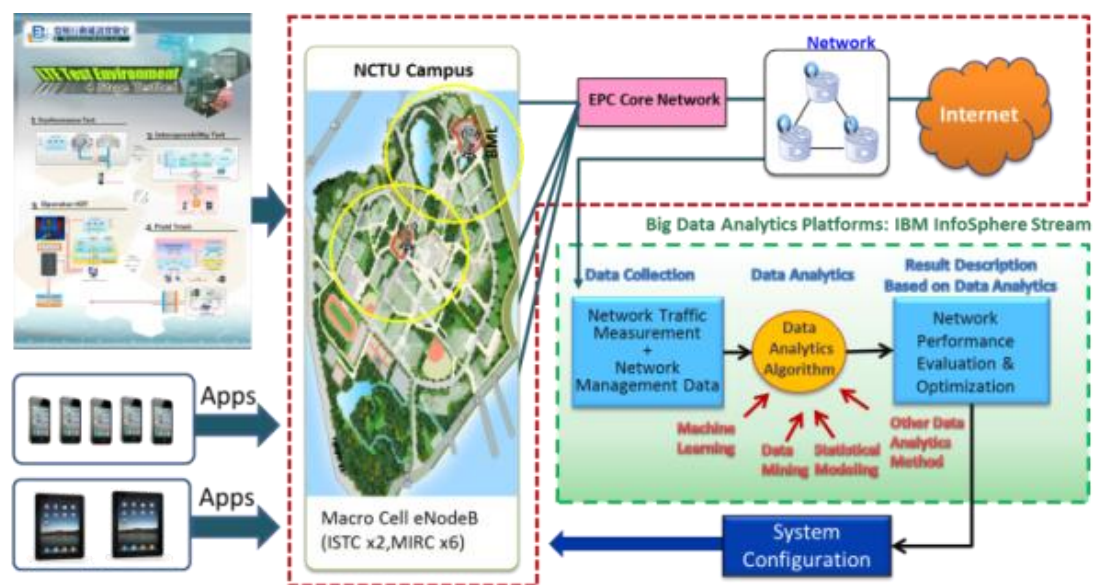


在實驗 4G 網路 LTE 上設計由量測和應用所產生的巨量數據流量的設計研究

A cloud-enabled 4G/LTE experimental network in BML at NCTU campus has been utilized to perform various tests and Performance measurements for the endpoints of communications and networks equipment. It also provides the network platform to conduct MAR applications development for indoor & outdoor navigation. Recently, we have investigated the network traffic flow generated by APPs on smartphones or tablets and we do data analytics to identify the network traffic flow generated by the specified application. By combining the functions of testing & measurement and applications generated by MAR and APP's with smart mobile devices, we have conducted the big data analytics R&D using a real-time stream computing platform on this cloud-enabled 4G/LTE network environment. Finally, we propose a system design of big data analytics based on this environment to conduct SON study with UDN deployed in NCTU campus.



InfoSphere with NCTU/BML for data collection, analytics & result description