

Emulated Cyber Network System



Training & Simulation Systems

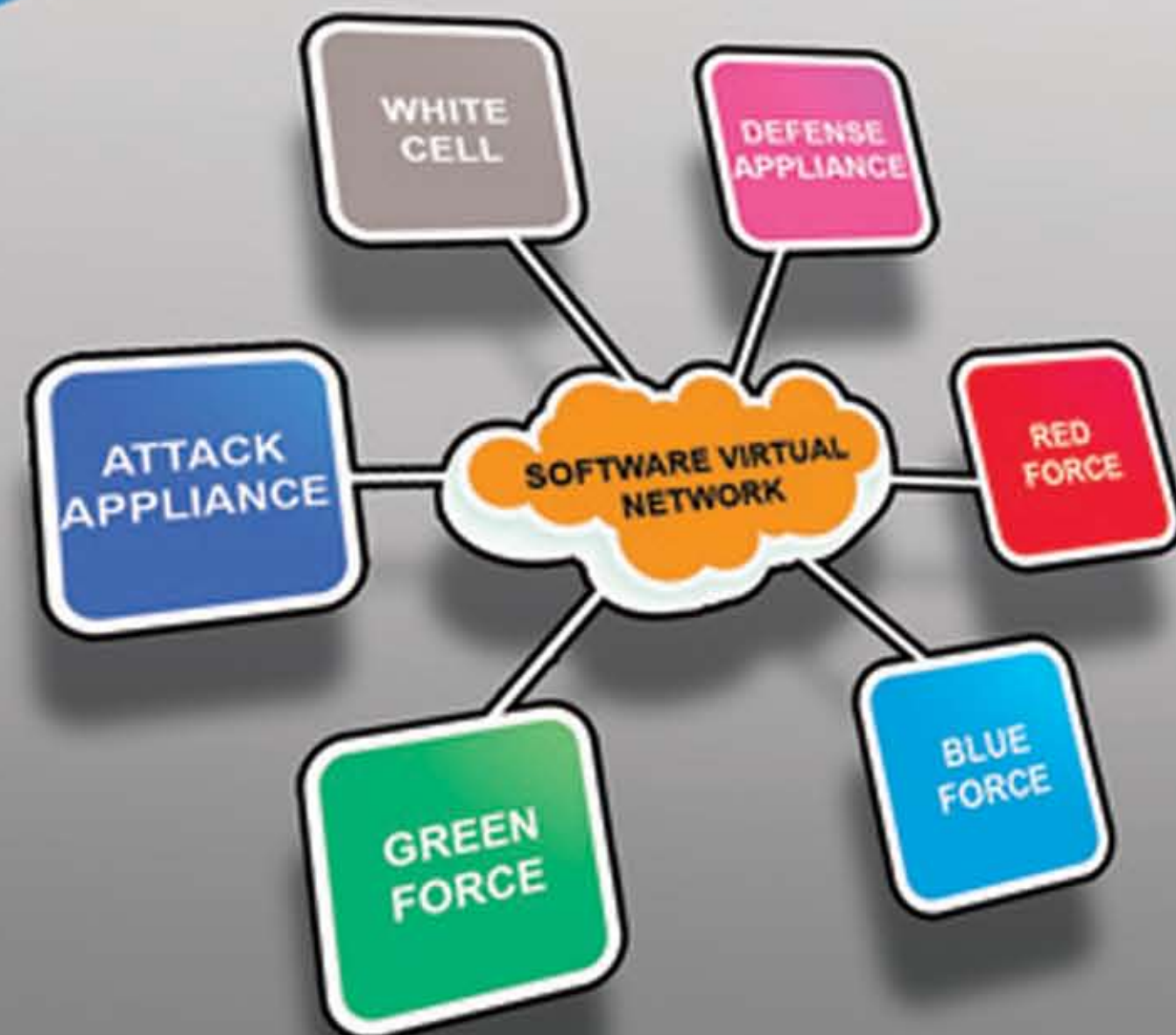
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Rising new threats in the rapidly changing cyber landscape necessitate organisations to invest in their cyber security capabilities so as to equip their professionals with the skillsets to counter such threats.



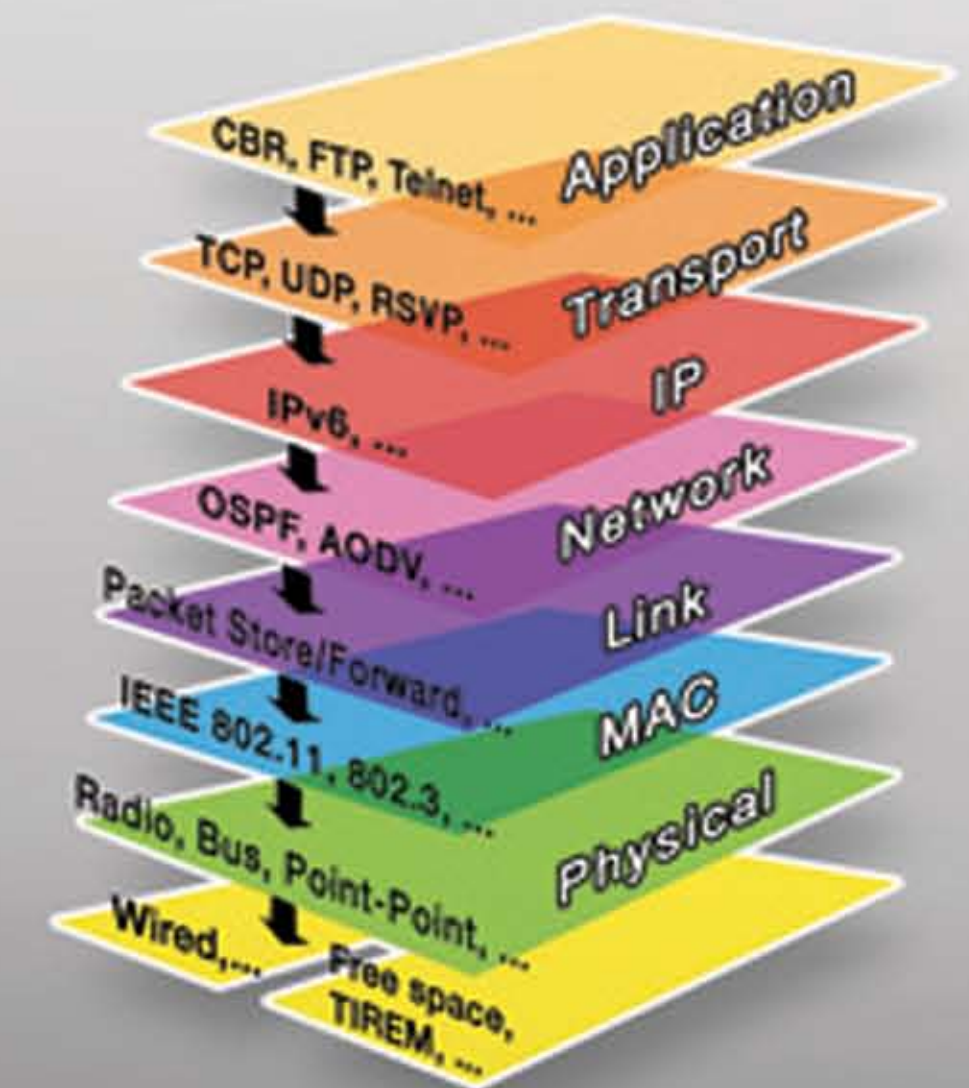
Key Features:

- Integrated Software Virtual Networks with Hardware-in-the-Loop interfaces to external software applications and hardware for high fidelity and training realism
- Customisable cyber-attack and defence library models, traffic generation tools and scenarios for hands-on practice to enhance training effectiveness
- Configuration flexibility for individual or multiple-party simulated exercises
- Lightweight, scalable system platform that enables organisations to optimise resources



The Emulated Cyber Network System (ECNS) is a highly versatile training platform that integrates live systems, virtualised platforms and modelled software virtual entities within a synthetic environment. It is suitable for both individual and multi-party cyber training and for executing cyberspace operations. As it offers a scenario-based learning approach, cyber security professionals acquire operational and tactical cyber security competencies in a realistic yet controlled and safe environment. This includes the enactment by multiple parties of attacks / defence and utilising a library of attack and defence models as well as off the shelf applications or customised tools.

ECNS provides a Software Virtual Network (SVN) environment that allows scenarios to be repeated while offering ease of scenario development. This enables trainees to identify and detect specific cyber intrusions and to apply the necessary counter measures. SVNs can also be used to evaluate the adequacy of the organisation's cyber security measures and for impact assessment of system performance upon the introduction of new measures or security protocols. The ECNS is fully scalable, and can be customised to meet the training needs of both commercial and defence organisations.



High fidelity network models handled by ECNS

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