

Kent Public Service Network

DNS Service

Solution Overview

The Domain Name System (DNS) is a hierarchical decentralized naming system for computers, services, or other resources connected to the internet or a private network.

KPSN offers two DNS services as part of the Service; Internal and External DNS services. The descriptions of these individual services are outlined below.

Internal (Recursive) DNS Service

The Internal DNS Service is offered in a Partner Exchange VPN, through which Partners peer with each other (or for some is the path to the internet) contain internal DNS servers used for recursive lookup. These servers also contain an internal DNS view to resolve inter-Partner services to the local domains so that traffic remains on the KPSN rather than resolving to the internet side address.

Partners can either set their Internal DNS servers to use the KPSN servers for resolution, or can point internal estate directly to these devices. This service consists of two geographical clusters (four servers in total), thereby providing a resilient primary and secondary service for Partners.

External Authorities DNS Service

KPSN provides external DNS servers which are authorities for the DNS tags of services hosted within the KPSN network. This service consists of two geographical clusters (four servers in total) thereby providing a resilient service.

Service Levels

Service Deliverables	Minimum service availability: 99.99%.
Service Hours	24/7/365 (366 days in each leap year).

To find out more information on these services, please contact us:

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