

## What is CDF?

**CDF** is an infrastructure Protection solution providing the first secure DNS resolving service for all servers and endpoints in a computing environment, and can be deployed either as an on-site solution or Cyemptive remote service. It maps human readable names to IP addresses for internal and external communications. This service is used by most computing environments and remote workers especially for web browser URL resolution. Cyemptive's CDF secures this name resolving service for datacenter and remote workforce use.

## The Problem

DNS is one of the widest used protocols for internet access, web sites, email, and many other application communications. When a gateway is hijacked or a MITM attack succeeds for DNS services, traffic can be re-routed to other countries, sites and bad actor systems where data can be taken or changed in-flight. This can occur in datacenter and remote worker communications and may NEVER be caught or detected. **Would you willingly give your organization's Intellectual Property to a bad nation state? It may**

## Infrastructure Protection with CDF

**CDF** - We provide CDF in our trusted Defense-in-Depth blueprint using our patented CyberSlice<sup>®</sup> and sensors to enable a completely secure platform providing Domain Name System (DNS) resolving services for internal and external communications. DNS is a hierarchical, decentralized, and naming system used to identify computers reachable through the Internet Protocol (IP).

**CDF (On-Premises)** – Cyemptive provides a complete, secure DNS solution built on top of our patented CyberSlice<sup>®</sup> technology in a Defense-in-Depth, layered model for high security and protection of organizational DNS resolution services.

**CDF (Cyemptive Remote Service)** – Cyemptive maintains and manages the on-premises solution behind multiple layers of Cyemptive Perimeter Fortress (CPF) firewalls and Defense-in-Depth at our Security Operations Center. Organizations simply use our CPF firewalls or Cyemptive Zero Trust Access (CZTA) agents to connect to our CDF for secure DNS resolution.

BEST SECURED  
DATA

PERFORMANCE  
GUARANTEES

INFRASTRUCTURE  
PROTECTION

## THE CYEMPTIVE DIFFERENCE

- **Cyemptive** has developed **unique, patented technologies, CyberSlice<sup>®</sup>, Zero Trust Blueprints (ZTBs)**, and solutions to detect and pre-emptively stop attackers before they can infiltrate networks achieving new cyber-standards unlike any seen.
- **Cyemptive's** proven methods are the only ones fully capable of protecting the **Domain Name System (DNS)** resolution against even the most sophisticated MITM attacks.
- **Cyemptive's** secure DNS Infrastructure Protection, on-premises or via SOC services provides peace of mind for all internet domain name to IP address resolution.

## CDF RANGE OF SOLUTIONS

- CDF On-Premise — Datacenter, Defense-in-Depth, high availability
- CDF Remote Service — datacenter, remote workforce, no floor space required

have already happened.