ITRA MAN

Organizations are looking to move beyond traditional data protection and even disaster recovery. Today, businesses want IT Resiliency & Assurance (ITRA) which is defined as the ability to maintain acceptable service levels even in the event of severe disruptions to their applications and data and the IT systems which support them. ITRA means:

- Incorporating early detection of impact caused by mistakes, malicious activity or mother nature
- Solutions that are affordable, automated and easy to use
- Leveraging the cloud for maximum scalability and flexibility
- Fast recovery to eliminate downtime & business disruption
- Guaranteed!

Infrascale has developed a mythical IT Resilience & Assurance Man (ITRA Man for short) who comprises all the key skills and attributes necessary to deliver a world class ITRA solution to the market.

Assurance

An ITRA solution is only as good as the guarantee from the vendor delivering the solution. ITRA Man is confident in providing a 15-minute recovery guarantee for a sophisticated business with interconnected services because the fully orchestrated solution provides a simple one-click recovery capability.

Orchestration

One of the most important capabilities of ITRA Man is the ability to automate the recovery process to eliminate the risk of error. ITRA Man's orchestration allows you to drag and drop machines to designate the order that they need to spin up. ITRA Man even disables outbound networking so that all the applications can come online in the DR network and he is sure that the entire infrastructure is working and ready to go, but not affecting anything outside the environment.

De-Dup

One of the key technologies that ITRA Man leverages is his DFSAR--Deduplicated File System Assisted Replication. DFSAR allows him to use blocks that already exist in the secondary location to quickly rebuild that job on the secondary location (Google Cloud or elsewhere). If the system needs to be able to boot, he will create a clone and boot from the clone rather than the backup copy itself. DRSAR reduces the amount of data that has to be moved to less than 1% of the total volume which results in ITRA Man recovering your system in a fraction of the time.

ITRA MAN

Backup

In the event of a single drive failure, ITRA Man will leverage a local appliance to recover and boot a single machine. For more complex failures, ITRA Man stores a usable copy of the systems, applications and data in a portable format and located in a safe, accessible and remote location. ITRA Man rapidly replicates data to a location where the platform can use it. Once the baseline data exists in the secondary location, ITRA Man only has to move small amounts of data on an ongoing basis. This is especially important for very large volumes where complete replication can be prohibitive for recovery time.

Cloud & Nested Virtualization

The cloud allows ITRA Man unlimited scale and the flexibility of moving from production datacenters to public or hybrid clouds. By leveraging the cloud, ITRA Man allows these virtual system images to run in an accessible, scalable and reliable location independent of where the original systems reside. To make the concept work, ITRA Man is able to run the VMs needed within another virtual machine. The ability for VMs to run within an existing VM is called nested virtualization.

Infrascale™

ERADICATE DOWNTIME & DATA LOSS