Tungsten Cluster Master Class

Advanced: Replicating out of your cluster

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Topics

In this short course, we will

- Explore the Cluster-Extractor

- Review possible targets

- Discuss Use Cases

- Demonstrate an installation
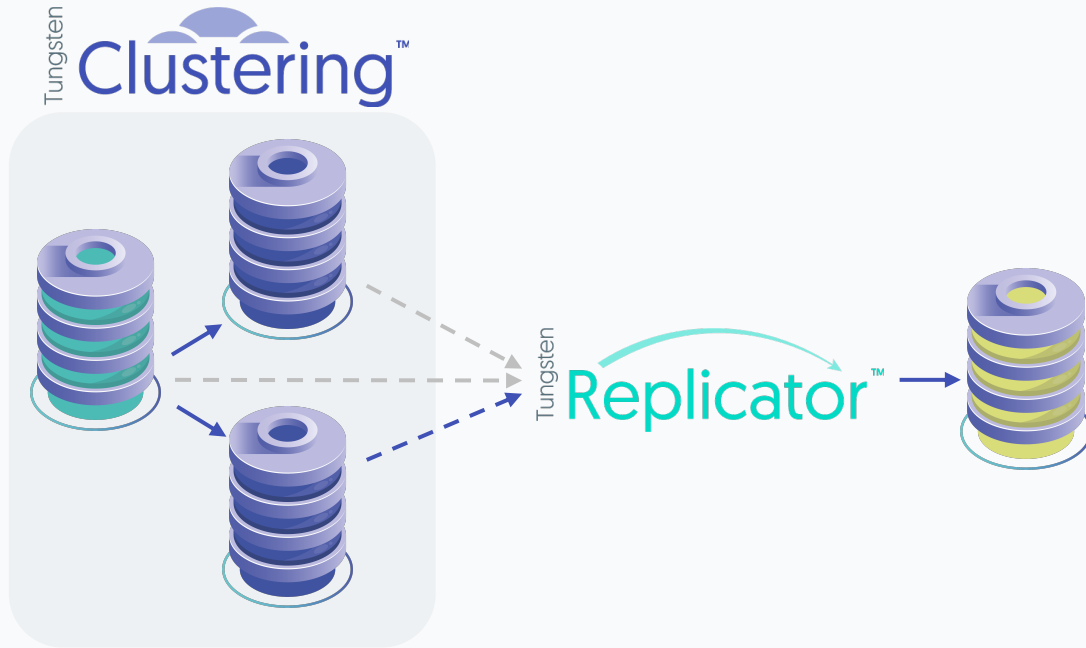
What is a Cluster-Extractor?

Cluster-Extractor

- Uses the standalone Replicator
- Takes THL already generated by cluster
- Applies to a standalone target
    - Can be any supported target
- Filtering and all other replicator features available
- Target node NOT part of cluster
- Replicator is Cluster-Aware
- Bi-Directional also possible (MySQL to MySQL only)
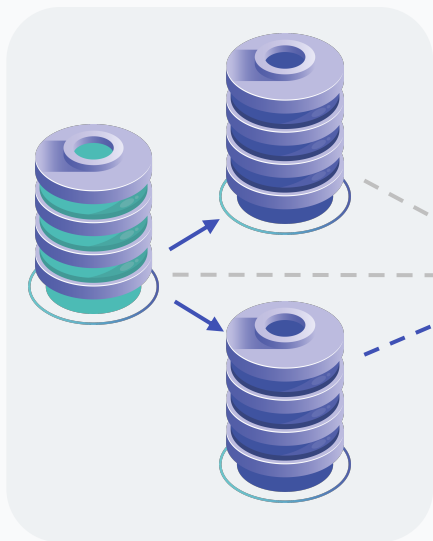
Cluster-Extractor

Why use a Cluster-Extractor?

- Offload backups to external node

- Provide dedicated reporting node for different business functions

- Feed data into none-related external systems
    - Especially powerful for heterogeneous targets

Possible Targets

Demonstration

Config Review

Cluster Extractor

- All host pre-requisites to be in place
- `/etc/hosts` file needs setting up
- `cluster-alias` MUST have same service name as source
  - Connectors do not need specifying
- If applying to remote host, use `replication-host` parameter to define target host
- If applying to heterogeneous targets, additional properties may be required in source cluster
  - See Replicator Docs!
- When provisioning, export tracking schema from source!
- Ensure backup taken from `SHUNNED` node

```
[defaults]
install-directory=/opt/continuent
user=tungsten
profile-script=~/.bash_profile

[london]
master=trainingdb4
members=trainingdb4,trainingdb5,trainingdb6
topology=cluster-alias

[reporting1]
relay=trainingce
relay-source=london
topology=cluster-slave
replication-user=tungsten
replication-password=secret
replication-port=3306
svc_applier_filters=replicate
property=replicator.filter.replicate.do=hr
```

Summary

What we have learnt today

- What is a Cluster-Extractor

- Explored possible targets

- Watched a demonstration of an installation

Next Steps

In the next session we will

- Explore the new Cluster AMI
  - Manual Configuration
  - Cloud Formation Templates

THANK YOU FOR LISTENING

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