

# Tungsten Cluster Master Class

Advanced: Replicating Out of Your Cluster

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# Topics

In this short course, we will

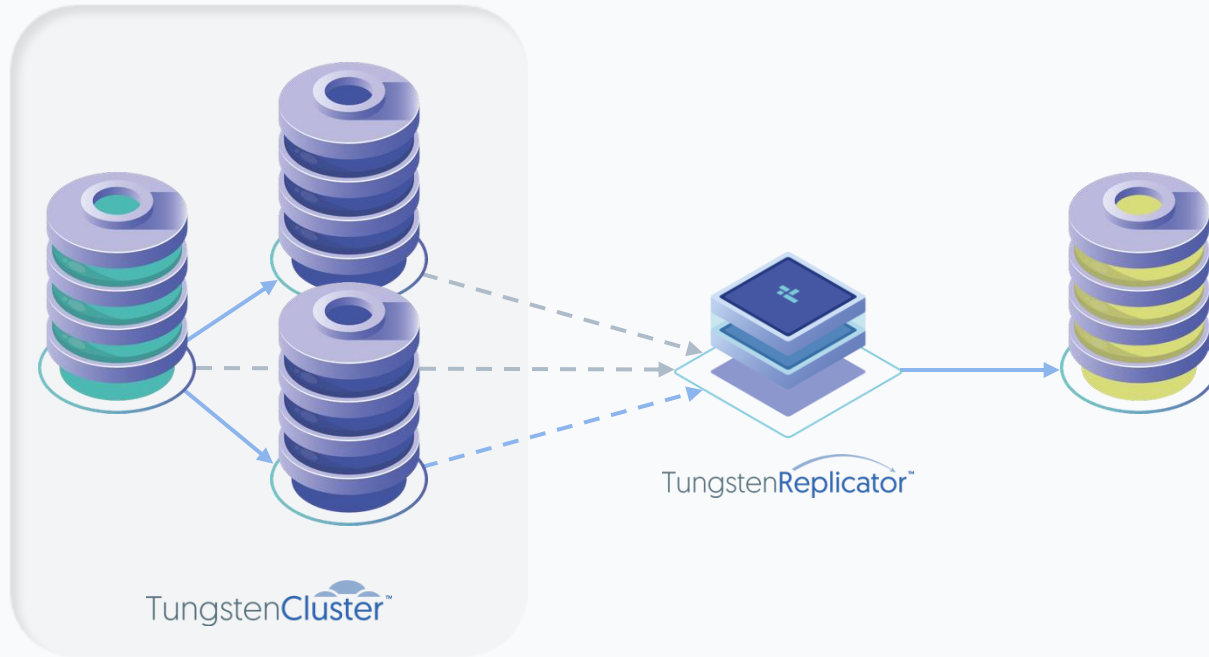
- Explore the Cluster-Extractor
- Review possible targets and use cases
- Review the configuration
- Demonstrate an installation

# 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)

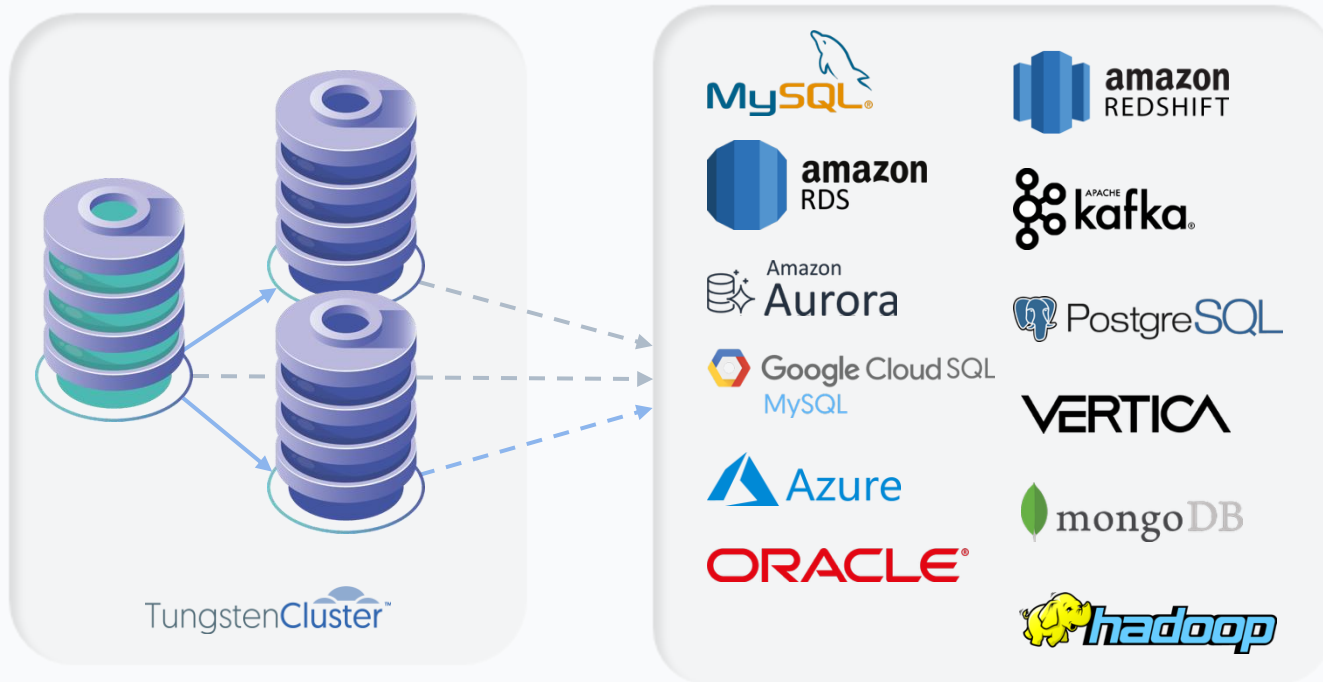
# Cluster-Extractor



# 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



# 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 with replicator offline

```
[defaults]
user=tungsten
install-directory=/opt/continuent
profile-script=~/.bash_profile
disable-security-controls=true
rest-apis=true
rest-api-address=0.0.0.0
rest-api-ssl=true
rest-api-admin-user=tungsten
rest-api-admin-password=secret

[alpha]
topology=cluster-alias
master=db1
members=db1,db2,db3

[reporting]
relay=db4
relay-source=alpha
topology=cluster-slave
replication-user=tungsten
replication-password=secret
replication-port=3306
svc_applier_filters=replicate
property=replicator.filter.replicate.do=hr
```

# Demonstration

# Summary

What we have learnt today

- What is a Cluster-Extractor
- Explored possible targets
- Watched a demonstration of an installation

# Thank you for listening

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