

# **FromDual Annual Company Meeting**

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## **What is a Backup Good For ?**

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# Personal Info

**Working on SQL DBMS implementation, build and support since 1983:**

- **„VDN“ -> „Adabas D“ -> „SAP DB“, „MaxDB“ (1983 – 2003)**
- **MySQL Build Team (2004 – 2012)**
- **DBA at a property platform (2013 – 2014)**
- **MySQL Support Engineer (2014 – ...)**
- **Interest in Backup + Archiver integration**



# Why Backup?

**Nobody wants a Backup ...**

**... but sometimes  
they demand Recovery**

# Backup Strategy

- **Determine your worst-case recovery needs**
- **How much does your data change?**
- **Can you repeat the changes (data available)?**
- **Do you need point-in-time recovery?**
- **Get enough backup space on a separate system, avoid a single point of failure.**
- **KISS = Keep It Simple, Stupid !**

# Try your Backup

- **Get a separate location (machine) for recovery tests**
- **Test your recovery = Verify that backup is ok**
- **Automate it all (cron job)**

**=> Be *sure* your recovery will work.**



# Get More From Your Backup

[www.fromdual.com](http://www.fromdual.com)

**Restore is complete, consistent, and current:**

**Do you need reports? With high-load SQL?**

- **Off-load report generation from production to the recovery machine.**

# Use the Power of SQL

**Restore is available in a running MySQL instance:**

**Do your developers need test data?**

**Are production data confidential?**

**(company secret, data privacy law)**

- **Run anonymization on the recovery machine:**

```
name -> 'John Doe', phone -> '123 - 456 789',  
mail -> concat(md5(mail), '@provider.com'), ...
```

- **mysqldump | gzip > /nfs/dev-files/DATTIME**

# Summary

- **You will run backups, anyways.**
- **Verify them by restoring!**
- **Invest in automation!**
- **Use the recovery test to off-load tasks from production, esp. high load!**
- **Protect your secrets -> Anonymize test data!**





# Thank you for your attention!

## Questions?

## Objections?