Perforce Remote Administration

Server Housekeeping and Monitoring

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PERFORCE
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What is Remote Administration?

Why Remote Administration?

- Best practices server maintenance
- Use our expertise

What does Remote Administration include?

Q&A

WHAT IS REMOTE ADMINISTRATION?

- Professional services offering provides a team of Perforce experts to help monitor and maintain your server.

- Includes recurring tasks and on-demand services.

- Integrations, usage questions, recovery

  ~~Hardware maintenance, training, builds~~

- Supplements regular technical support, with similar response times.

- Requires remote access to your server.

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WHY REMOTE ADMINISTRATION?

Why change your own oil?

- Perforce servers need regular maintenance and monitoring for performance and data integrity.

- The Remote Administration program handles the repetitive tasks.

  - Includes the Server Deployment Package for standard deployment and backups.

  - Perforce experts perform daily and monthly monitoring and analysis.

  - Perforce experts available for ad-hoc assistance.

Why not change your own oil?

- The processes are well documented and understood.

- Remote Administration saves internal time and resources.

- Remote Administration doesn't go on vacation or get promoted.

WHY REMOTE ADMINISTRATION?

Typical usage

- Fill an experience gap
- Fill a bandwidth gap
- Provide back-stop assistance
- Outsource administration

Best Practices Server Maintenance

Daily Tasks

- Offline checkpoints
- Replication

Weekly Tasks

- Verification
- Database rebuild

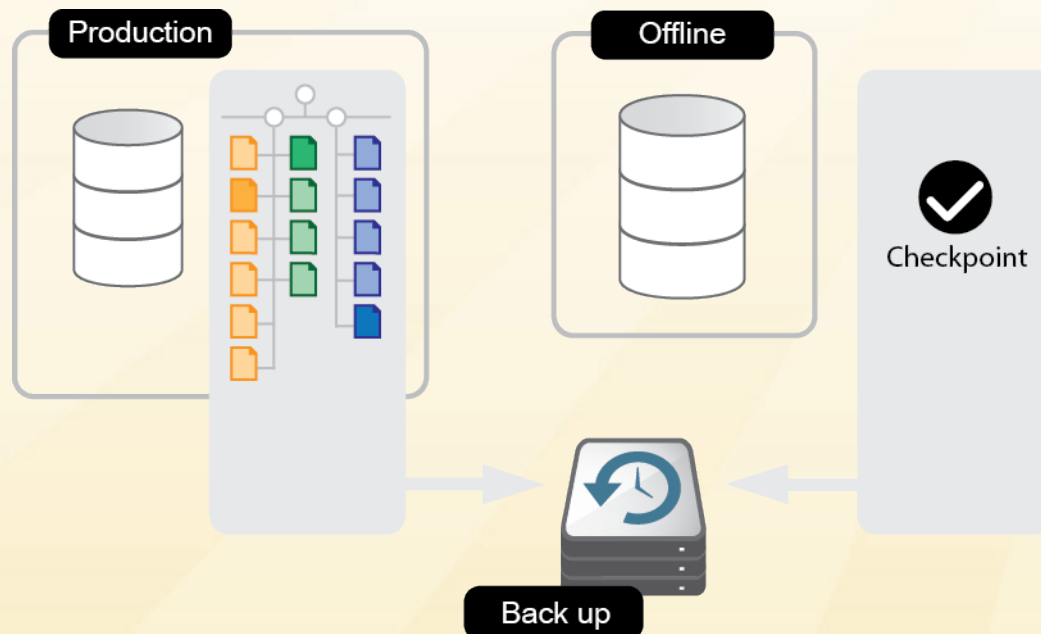Monthly Tasks

- Log analysis
- Metadata removal

Server Deployment Package provides standard framework for most activities.

- Included with Remote Administration setup
- Can be customized for advanced environments

Remote Administration staff provides daily monitoring and periodic reporting.

DAILY TASKS: OFFLINE CHECKPOINTS

- Maintain offline copy of the database
- Checkpoint from the offline database
- Rebuild offline database from checkpoint
- Offline database available for quick recovery
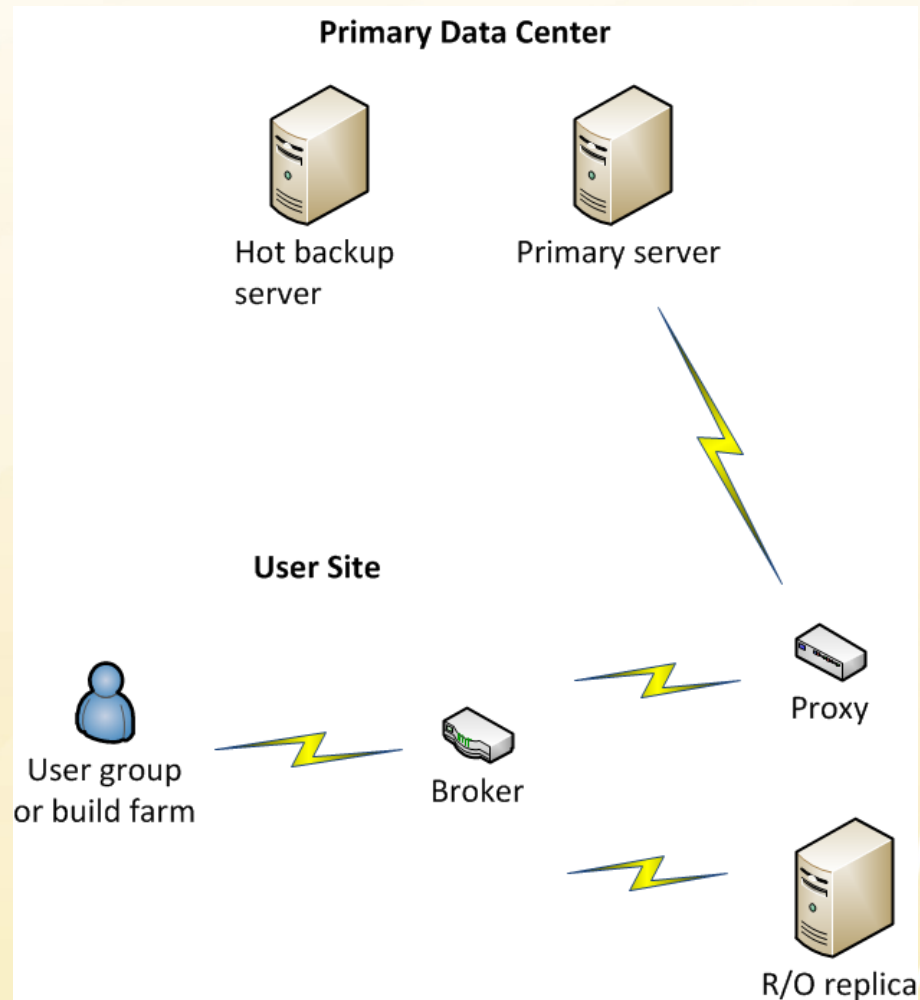- Minimizes server down time

p4 pull maintains a one-way, read-only, fully replicated server

- Near real time backup

- Available for read-only tasks

- HA/DR role

ROI: 25X cost recovery for failover

Primary Data Center

Hot backup server

Primary server

User Site

Proxy

User group or build farm

Broker

R/O replica

Verification

- Run a full *p4 verify* on all depots
- Run incrementally if necessary

Database rebuild

- Live database archived
- Live database replaced with offline copy
- Offline database recovered from checkpoint of archive of live database
- Server offline for minutes, not hours
- Live database effectively rebuilt from checkpoint every week, maximizes database efficiency
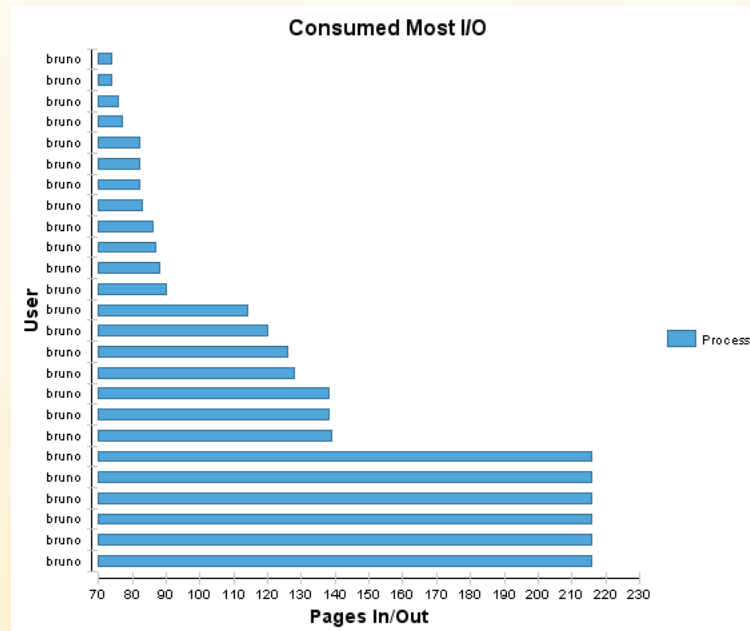
Run track2sql

Store monthly log snapshot in database

Run common queries

Compare against previous months

Spot problems before the impact is severe

Spot 98% disk usage before the crash

Archive old static labels

Remove stagnant workspaces

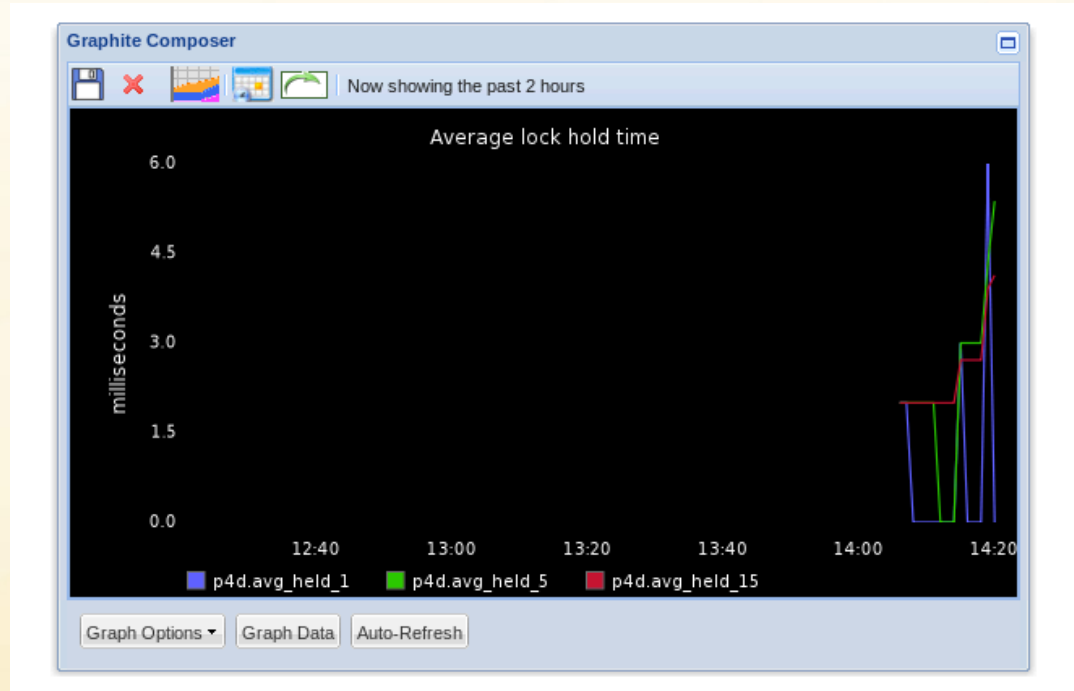Remove stagnant users

Archive old branch mappings

Remove old jobs

AD-HOC TASKS

On demand performance analysis

- Spot check of recent log activity
- *p4 monitor* (via P4V)
- Platform specific hardware monitoring

The kitchen sink: triggers, integrations, and more

Remote Administration Resources

- http://www.perforce.com/perforce/services/remote_administration.html

- consulting@perforce.com

Server maintenance resources

- http://kb.perforce.com

- http://www.perforce.com/perforce/technical.html

- support@perforce.com

PRICING

Initial setup (includes Server Deployment Package)	$3,500
Monthly fee	Starts at $500
Discounted ad-hoc rate	$255/hour

Contact consulting@perforce.com for a quote