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```
dozer@dozer-VirtualBox: ~/os/proj3/src
./client 4444 localhost
create 3.99
OK 100
create 200.5
OK 101
create 3999
OK 102
query 100
OK 3.99
query 101
OK 200.50
query 102
OK 3999.00
```

```
33330.txt (~os/proj3/src) - gedit
Open Save
1 99 0
2 100 3.99
3 101 200.50
4 102 3999.00
```

```
33331.txt (~os/proj3/src) - gedit
Open Save
1 99 0
2 100 3.99
3 101 200.50
4 102 3999.00
```

```
33332.txt (~os/proj3/src) - gedit
Open Save
1 99 0
2 100 3.99
3 101 200.50
4 102 3999.00
```

```
dozer@dozer-VirtualBox: ~/os/proj3/src
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$ ./bserver 33332
Worker popped request 1 3.99 NONE
Worker popped request 1 200.50 NONE
Worker popped request 1 3999.00 NONE
Worker popped request 3 100 NONE
Worker popped request 3 101 NONE
Worker popped request 3 102 NONE
```

```
dozer@dozer-VirtualBox:~/os/proj3/src
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$ ./bserver 33331
Worker popped request 1 3.99 NONE
Worker popped request 1 200.50 NONE
Worker popped request 1 3999.00 NONE
Worker popped request 3 100 NONE
Worker popped request 3 101 NONE
Worker popped request 3 102 NONE
```

```
dozer@dozer-VirtualBox:~/os/proj3/src
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$ ./bserver 33330
Worker popped request 1 3.99 NONE
Worker popped request 1 200.50 NONE
Worker popped request 1 3999.00 NONE
Worker popped request 3 100 NONE
Worker popped request 3 101 NONE
Worker popped request 3 102 NONE
```

```
dozer@dozer-VirtualBox:~/os/proj3/src
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$
dozer@dozer-VirtualBox:~/os/proj3/src$ ./bserver 33333
Timer popped/passing request to processor 33331 13 3 100 0
Timer popped/passing request to processor 33332 13 3 100 0
Timer popped/passing request to processor 33330 17 3 101 0
Timer popped/passing request to processor 33331 17 3 101 0
Timer popped/passing request to processor 33332 17 3 101 0
Timer popped/passing request to processor 33330 21 3 102 0
Timer popped/passing request to processor 33331 21 3 102 0
Timer popped/passing request to processor 33332 21 3 102 0
```

Performing update transactions – all databases are concurrent.

dozer@dozer-VirtualBox: ~/os/proj3/src	33330.txt (~os/proj3/src) - gedit	33331.txt (~os/proj3/src) - gedit	33332.txt (~os/proj3/src) - gedit
<pre>OK 101 create 3999 OK 102 query 100 OK 3.99 query 101 OK 200.50 query 102 OK 3999.00 update 101 500.33 OK 500.33 update 100 6.99 OK 6.99 </pre>	<pre>1 99 0 2 100 6.99 3 101 500.33 4 102 3999.00 </pre>	<pre>1 99 0 2 100 6.99 3 101 500.33 4 102 3999.00 </pre>	<pre>1 99 0 2 100 6.99 3 101 500.33 4 102 3999.00 </pre>
<pre>dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ ./bserver 33332 Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 </pre>	<pre>dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ ./bserver 33331 Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 </pre>	<pre>rc\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ ./bserver 33330 Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 </pre>	<pre>processor 33332 21 3 102 0 Timer popped/passing request to processor 33330 25 2 101 500.33 3 Timer popped/passing request to processor 33331 25 2 101 500.33 3 Timer popped/passing request to processor 33332 25 2 101 500.33 3 Timer popped/passing request to processor 33330 29 2 100 6.99 Timer popped/passing request to processor 33331 29 2 100 6.99 Timer popped/passing request to processor 33332 29 2 100 6.99 </pre>

Killing back-end server 33331 and running some transactions – the 2 remaining databases are concurrent.

dozer@dozer-VirtualBox: ~/os/proj3/src	33330.txt (~os/proj3/src) - gedit	33331.txt (~os/proj3/src) - gedit	33332.txt (~os/proj3/src) - gedit
OK 3999.00 update 101 500.33 OK 500.33 update 100 6.99 OK 6.99 create 400.75 OK 103 update 102 2500 OK 2500.00 query 103 OK 400.75 query 102 OK 2500.00	1 99 0 2 100 6.99 3 101 500.33 4 102 2500.00 5 103 400.75	1 99 0 2 100 6.99 3 101 500.33 4 102 3999.00	1 99 0 2 100 6.99 3 101 500.33 4 102 2500.00 5 103 400.75
dozer@dozer-VirtualBox: ~/os/proj3/src	dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ ./bserver 33331	dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ ./bserver 33330	dozer@dozer-VirtualBox:~/os/proj3/src\$ dozer@dozer-VirtualBox:~/os/proj3/src\$ ./bserver 33332
Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 Worker popped request 1 400.75 NONE Worker popped request 2 102 2500.00 Worker popped request 3 103 NONE Worker popped request 3 102 NONE	Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 ^C	Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 Worker popped request 1 400.75 NONE Worker popped request 2 102 2500.00 Worker popped request 3 103 NONE Worker popped request 3 102 NONE	Timer popped/passing request to processor 33330 41 3 103 0 Timer popped/passing request to processor 33331 41 3 103 0 Timer popped/passing request to processor 33332 41 3 103 0 Error connecting to backend server Timer popped/passing request to processor 33330 45 3 102 0 Timer popped/passing request to processor 33331 45 3 102 0 Timer popped/passing request to processor 33332 45 3 102 0 Error connecting to backend server



Killing back-end server 33330 and running some transactions – the last remaining database resumes operation.

dozer@dozer-VirtualBox: ~/os/proj3/src	33330.txt (~os/proj3/src) - gedit	33331.txt (~os/proj3/src) - gedit	33332.txt (~os/proj3/src) - gedit
OK 2500.00 query 103 OK 400.75 query 102 OK 2500.00 create 66000.44 OK 104 update 100 999.99 OK 999.99 query 104 OK 66000.44 query 100 OK 999.99 █	Open ▾ 1 99 0 2 100 6.99 3 101 500.33 4 102 2500.00 5 103 400.75	Open ▾ 1 99 0 2 100 6.99 3 101 500.33 4 102 3999.00	Open ▾ 1 99 0 2 100 999.99 3 101 500.33 4 102 2500.00 5 103 400.75 6 104 66000.44
dozer@dozer-VirtualBox: ~/os/proj3/src	dozer@dozer-VirtualBox: ~/os/proj3/src	dozer@dozer-VirtualBox: ~/os/proj3/src	dozer@dozer-VirtualBox: ~/os/proj3/src
Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 Worker popped request 1 400.75 NONE E Worker popped request 2 102 2500.00 Worker popped request 3 103 NONE Worker popped request 3 102 NONE Worker popped request 1 66000.44 NONE Worker popped request 2 100 999.99 Worker popped request 3 104 NONE Worker popped request 3 100 NONE █	dozer@dozer-VirtualBox: ~/os/proj3/src\$ src\$ ./bserver 33331 Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE E Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 Worker popped request 2 102 2500.00 Worker popped request 3 103 NONE Worker popped request 3 102 NONE ^C dozer@dozer-VirtualBox: ~/os/proj3/src\$ src\$ █	rc\$ ./bserver 33330 Worker popped request 1 3.99 NONE Worker popped request 1 200.50 NONE Worker popped request 1 3999.00 NONE E Worker popped request 3 100 NONE Worker popped request 3 101 NONE Worker popped request 3 102 NONE Worker popped request 2 101 500.33 Worker popped request 2 100 6.99 Worker popped request 1 400.75 NONE Worker popped request 2 102 2500.00 Worker popped request 3 103 NONE Worker popped request 3 102 NONE ^C dozer@dozer-VirtualBox: ~/os/proj3/src\$ rc\$ █	Timer popped/passing request to processor 33332 57 3 104 0 Error connecting to backend server Error connecting to backend server Timer popped/passing request to processor 33330 61 3 100 0 Timer popped/passing request to processor 33331 61 3 100 0 Timer popped/passing request to processor 33332 61 3 100 0 Error connecting to backend server Error connecting to backend server Error connecting to backend server █

## Querying and Updating accounts that don't exist.

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