含事务的MO数据配置用例

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_an\_unexisted\_data\_should\_success\_1 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_an\_existed\_data\_should\_fail\_2 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_an\_unexisted\_data\_should\_fail\_3 | | |
| steps | connection | command | result |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_an\_existed\_data\_should\_success\_4 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_an\_error\_oid\_should\_fail\_5 | | |
| steps | connection | command | result |
| cli1 | del /refShelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_an\_unexisted\_data\_should\_fail\_6 | | |
| steps | connection | command | result |
| cli1 | del /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_an\_existed\_data\_should\_success\_7 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_relative\_del\_an\_existed\_data\_should\_success\_8 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/2 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | get /Shelf/1/Board/2 | {result: 1} |
| cli2 | get /Shelf/1/Board/1 | {result: 1} |
| cli2 | get /Shelf/1/Board/2 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_get\_an\_error\_oid\_should\_fail\_9 | | |
| steps | connection | command | result |
| cli1 | get /refShelf/1 | {result: 1} |

含一个事务的MO数据配置用例

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_diff\_shelf\_in\_one\_trans\_should\_success\_10 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/2 | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/2 | {result: 0} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/2 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/2 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_two\_diff\_shelf\_then\_remove\_one\_in\_one\_trans\_should\_success\_11 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/2 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/2 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/2 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/2 | {result: 1} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/2 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_unexisted\_data\_then\_commit\_should\_success\_12 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | commit |  |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_first\_add\_then\_add\_same\_key\_data\_then\_commit\_should\_success\_13 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_and\_get\_unexisted\_data\_should\_fail\_14 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_set\_unexisted\_data\_then\_commit\_should\_success\_15 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_first\_add\_then\_del\_unexisted\_data\_then\_commit\_should\_failed\_16 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_and\_get\_unexisted\_data\_should\_fail\_17 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 1} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_del\_add\_unexisted\_data\_then\_commit\_should\_success\_18 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_del\_set\_unexisted\_data\_then\_commit\_should\_fail\_19 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_del\_del\_unexisted\_data\_then\_commit\_should\_fail\_20 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_set\_set\_unexisted\_data\_then\_commit\_should\_success\_21 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_set\_del\_unexisted\_data\_then\_commit\_should\_success\_22 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_set\_add\_unexisted\_data\_then\_commit\_should\_success\_23 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_del\_add\_set\_unexisted\_data\_then\_commit\_should\_success\_24 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | add /Shelf/1 refShelf 1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_del\_add\_del\_unexisted\_data\_then\_ commit \_should\_success\_25 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_del\_add\_add\_unexisted\_data\_then\_commit\_should\_success\_26 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_an\_exited\_data\_should\_failed\_27 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_an\_exited\_data\_should\_success\_28 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_an\_exited\_data\_should\_success\_29 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_add\_an\_exited\_data\_should\_success\_30 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_set\_an\_exited\_data\_should\_fail\_31 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_del\_an\_exited\_data\_should\_fail\_32 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_add\_an\_exited\_data\_should\_fail\_33 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_set\_an\_exited\_data\_should\_fail\_34 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_del\_an\_exited\_data\_should\_fail\_35 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

含一个事务的rollback用例

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_not\_get\_any\_data\_after\_add\_add\_rollback\_36 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/2 | {result: 0} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | get /Shelf/2 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/2 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_not\_get\_any\_data\_after\_add\_set\_rollback\_37 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_not\_get\_any\_data\_after\_add\_del\_rollback\_38 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_get\_old\_data\_after\_set\_rollback\_39 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_get\_old\_data\_after\_del\_rollback\_40 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_get\_old\_data\_after\_del\_add\_rollback\_41 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | add /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_should\_get\_the\_old\_data\_after\_rollback\_add\_another\_42 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | add /Shelf/2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/2 | {result: 1} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

两个事务互斥测试

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_two\_diff\_data\_with\_diff\_transactionId\_one\_commit\_one\_rollback\_43 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | add /Shelf/2 |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | rollback |  |
| cli2 | get /Shelf/2 | {result: 1} |
| cli1 | get /Shelf/2 | {result: 1} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_same\_data\_with\_diff\_transactionId\_one\_commit\_one\_rollback\_44 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | add /Shelf/1 |  |
| cli2 | <enter> | {result: 1} |
| cli1 | rollback |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli2 | commit |  |
| cli2 | get /Shelf/1 | {result: 1} |
|  | cli1 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_set\_del\_same\_key\_data\_with\_diff\_transactionId\_both\_commit\_45 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | starttrans |  |
| cli2 | del /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli2 | commit |  |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_two\_diff\_data\_with\_diff\_transactionId\_both\_commit\_46 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | starttrans |  |
| cli2 | add /Shelf/2 |  |
| cli2 | <enter> | {result: 0} |
| cli2 | get /Shelf/2 | {result: 0} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | get /Shelf/2 | {result: 1} |
| cli2 | commit |  |
| cli2 | get /Shelf/2 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | get /Shelf/2 | {mo:{refShelf: 1}} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli2 | del /Shelf/2 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_same\_shelf\_in\_two\_trans\_first\_should\_success\_and\_second\_47 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | starttrans |  |
| cli2 | add /Shelf/1 refShelf 1 |  |
| cli2 | <enter> | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | commit |  |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_set\_same\_key\_data\_with\_diff\_transactionId\_both\_commit\_48 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | starttrans |  |
| cli2 | set /Shelf/1 refShelf 2 |  |
| cli2 | <enter> | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | get /Shelf/1 | {mo:{refShelf: 1}} |
| cli2 | set /Shelf/1 refShelf 2 |  |
| cli2 | <enter> | {result: 0} |
| cli2 | commit |  |
| cli2 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | get /Shelf/1 | {mo:{refShelf: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_modify\_father\_should\_success\_if\_child\_is\_modify\_in\_other\_trans\_49 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1/Board/1 state 2 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | set /Shelf/1 refShelf 2 |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {mo: {refShelf: 2}} |
| cli1 | get /Shelf/1/Board/1 | {mo:{state: 2}} |
| cli2 | get /Shelf/1 | {mo: {refShelf: 2}} |
| cli2 | get /Shelf/1/Board/1 | {mo:{state: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_delete\_father\_should\_failed\_if\_child\_is\_modify\_in\_other\_trans\_50 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1/Board/1 state 2 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | del /Shelf/1/ | {result: 1} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1 | {mo: {state: 2}} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/1/Board/1 | {mo: {state: 2}} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_delete\_child\_should\_failed\_if\_father\_is\_deleting\_in\_other\_trans\_51 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli2 | starttrans |  |
| cli2 | del /Shelf/1/Board/1 | {result: 1} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | del /Shelf/1 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_modify\_child\_should\_failed\_if\_father\_is\_deleting\_in\_other\_trans\_52 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli2 | starttrans |  |
| cli2 | set /Shelf/1/Board/1 state 2 |  |
| cli2 | <enter> | {result: 1} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 1} |
| cli2 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | del /Shelf/1 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_modify\_child\_should\_success\_if\_father\_is\_modify\_in\_other\_trans\_53 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | set /Shelf/1/Board/1 state 2 |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_child\_should\_success\_if\_father\_is\_modify\_in\_other\_trans\_54 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 1 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | del /Shelf/1/Board/1 | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_delete\_father\_should\_failed\_if\_child\_is\_deleting\_in\_other\_trans\_55 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1/Board/1 | {result: 0} |
| cli2 | starttrans |  |
| cli2 | del /Shelf/1/ | {result: 1} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_modify\_father\_should\_success\_if\_child\_is\_deleting\_in\_other\_trans\_56 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1/Board/1 | {result: 0} |
| cli2 | starttrans |  |
| cli2 | set /Shelf/1 refShelf 2 |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {mo: {refShelf: 2}} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli2 | get /Shelf/1 | {mo: {refShelf: 2}} |
| cli2 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_modify\_father\_should\_success\_if\_child\_is\_adding\_in\_other\_trans\_57 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | set /Shelf/1 refShelf 0 |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {mo: {refShelf: 1}} |
| cli1 | get /Shelf/1/Board/1 | {result: 0} |
| cli2 | get /Shelf/1 | {mo: {refShelf: 1}} |
| cli2 | get /Shelf/1/Board/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_delete\_father\_should\_failed\_if\_child\_is\_adding\_in\_other\_trans\_58 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | del /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1 | {result: 0} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/1/Board/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_children\_success\_if\_father\_is\_modifying\_in\_other\_trans\_59 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | set /Shelf/1 refShelf 2 |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | add /Shelf/1/Board/1 Rtua |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1 | {result: 0} |
| cli2 | get /Shelf/1 | {result: 0} |
| cli2 | get /Shelf/1/Board/1 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_child\_should\_success\_if\_another\_child is\_adding\_in\_other\_trans\_60 | | |
| steps | connection | command | result |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli1 | starttrans |  |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/2 Rtuc |  |
| cli1 | <enter> | {result: 0} |
| cli2 | starttrans |  |
| cli2 | add /Shelf/1/Board/3 Rtua |  |
| cli2 | <enter> | {result: 0} |
| cli1 | commit |  |
| cli2 | commit |  |
| cli1 | get /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/2 | {result: 0} |
| cli1 | get /Shelf/1/Board/3 | {result: 0} |
| cli2 | get /Shelf/1/Board/1 | {result: 0} |
| cli2 | get /Shelf/1/Board/2 | {result: 0} |
| cli2 | get /Shelf/1/Board/3 | {result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_add\_mo\_first\_then\_del\_in\_trans\_should\_get\_fail\_61 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1 | {result: 1} |
| cli1 | commit |  |
| cli1 | get /Shelf/1 | {result: 1} |

|  |  |  |  |
| --- | --- | --- | --- |
| name | test\_del\_rtua\_first\_then\_add\_rtub\_in\_trans\_should\_success\_62 | | |
| steps | connection | command | result |
| cli1 | add /Shelf/1 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | add /Shelf/1/Board/1 Rtua |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1/Board/1/E1Port/16 | { result: 0} |
| cli1 | get /Shelf/1/Board/1/E1Port/17 | {result: 1} |
| cli1 | starttrans |  |
| cli1 | del /Shelf/1/Board/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1/E1Port/16 | {result: 1} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |
| cli1 | add /Shelf/1/Board/1 Rtub0 |  |
| cli1 | <enter> | {result: 0} |
| cli1 | get /Shelf/1/Board/1/E1Port/9 | {result: 1} |
| cli1 | get /Shelf/1/Board/1/Stm155Port/1 | { result: 0} |
| cli1 | commit |  |
| cli1 | get /Shelf/1/Board/1/Stm155Port/1 | { result: 0} |
| cli1 | del /Shelf/1 | {result: 0} |
| cli1 | get /Shelf/1/Board/1/Stm155Port/1 | {result: 1} |
| cli1 | get /Shelf/1/Board/1 | {result: 1} |