

# Ordering Explained

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# Terminology



- ✦  $\text{order}(A, B)$
- ✦ If action  $A$  ever occurs,
  - ✦ Perform action  $A$ , then perform action  $B$

# Terminology



- ✦ `order(A, B, score=0)`
- ✦ *If* actions A and B both need to be executed,
  - ✦ Perform action A, then perform action B

# Basic Configuration



- ✦ `rsc_order(A, B)`
- ✦ `<rsc_order from=A to=B>`
- ✦ Start A before starting B *and* stop B before stopping A
- ✦ If A (re)starts while B is running, stop and restart B
- ✦ If A cannot be started, do not start B (and stop B if its currently running)

# Uni-directional



- ✦ `rsc_order(A, B, false)`
- ✦ `<rsc_order from=A to=B symmetrical=false>`
- ✦ Start A before starting B ~~and stop B before stopping A~~
- ✦ Rarely used

# Other Actions



- `rsc_order(promote, A, start, B)`
- `<rsc_order action=promote from=A to_action=start to=B>`
- Promote A before starting B *and* stop B before demoting A

# Advisory-Only Ordering



- ✦ `rsc_order(A, B, 0)`
- ✦ `<rsc_order from=A to=B score=0>`
- ✦ Start A before starting B *and* stop B before stopping A
- ✦ **Only relevant if both A and B are stopping or starting**
- ✦ ~~If A (re)starts while B is running, stop and restart B~~
- ✦ ~~If A cannot be started, do not start B~~
- ✦ This was the old, but rarely desired, default behavior



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