

How often to Synchronize?

- Maximum Drift Rate (**MDR**) of a clock
- Absolute MDR is defined relative to Coordinated Universal Time (UTC). UTC is the “correct” time at any point of time.
 - MDR of a process depends on the environment.
- Max drift rate between two clocks with similar MDR is $2 * \text{MDR}$
- Given a maximum acceptable skew M between any pair of clocks, need to synchronize at least once every: $M / (2 * \text{MDR})$ time units
 - Since time = distance/speed