artifacts/<profile>/

├── pools/<ds>/<gen>/seed<k>.parquet	pool windows (N, T, 3) + record
├── generators/<ds>/<gen>/…parquet	generator weights (VAE, Diffusion-TS, SDV)
├── series/<ds>/<method>/seed<k>.parquet	t, value, how, window, piece, seam
├── records/<ds>/<method>/seed<k>.parquet	time, memory, hardware, diagnostics
├── fidelity/<ds>/<method>/seed<k>.parquet	all F-metrics (+ .cells.json)
├── labels/<ds>/<task>.parquet	real test labels: split, row, y
├── utility/<ds>/<method>/seed<k>/	
│ ├── cells.json	done cells with their fingerprints
│ ├── metrics.parquet	U-metrics per task × model × regime × split
│ ├── predictions.parquet	every prediction (scalar or vector)
│ └── models.parquet	weights of every fitted model
├── tables/	timing, fidelity, utility, pools, cross_seed,
│	datasets, inventory, hardware, config.json
├── reports/	Markdown reports of the analysis:
│ ├── REPORT.md	RQ0–RQ9, C1–C4, case study CS1–CS15
│ ├── OVERALL.md	overall leaderboard, robustness checks
│ ├── LEADERBOARD.md	ranks of every method per slice
│ └── METRIC_VALUES.md	metric values by reference, dataset, task, model, split
├── overall/	overall leaderboard tables, robustness checks
├── leaderboard/	rankings.parquet, ranks per slice, tests, stability
├── metric_values/	fidelity, utility: median and IQR over seeds
├── hypotheses/	RQ*, CS* global / per dataset, confirmatory
└── errors.log	failed units (run continues)

Parquet, zstd; float32 except series values (float64). Every unit file carries its unit_fp.