

```

export type PanelMode = "execution" | "docs";
export type PanelState = "idle" | "loading" | "executing" | "complete" | "error" | "locked";

export type Nodeld =
| "N_CTRL"
| "N_10CAT"
| "N_GSS"
| "N_LABEL"
| "N_FOUNDATION_PROGRESS"
| "N_MICRO"
| "N_ZOOM"
| "N_HIST"
| "N_TH2"
| "N_REPLAY"
| "N_MINDWAKE"
| "N_TOLL"
| "N_STATUS"
| "N_LIVE";

export type UiMode = {
  neon: boolean;
  audio: "OFF" | "OCEAN";
  dashboardMode: PanelMode;
  volume: number; // 0..1
};

export type VersionStamps = {
  engine: string;
  dataContract: string;
  timeframeCanon: string;
  thresholdRegistry: string;
};

export type RunPhase =
| "IDLE"
| "PREFLIGHT"
| "PHASE1"
| "PHASE2"
| "PHASE3"
| "PHASE4"
| "ERROR";

export type TenCatResult = {
  totalScore: number; // 0..100
  categories: { name: string; score: number }[];
  severity: number; // 0..10
};

export type GssResult = {
  globalRisk: number; // 0..10
  ibpSync: "SYNC" | "DESYNC";
  whaleRegion: string;
  note: string;
};

```

```
export type FoundationSnapshot = {
  run_id: string;
  completedAt: string;
  tenCat: TenCatResult;
  gss: GssResult;
  label: "OK" | "WATCH" | "RISK";
  stageIUnlocked: boolean;
};

export type PanelDocs = {
  purpose: string;
  inputs: string[];
  outputs: string[];
  influence: string[];
  dependencies: string[];
  notes?: string;
};
```