**ACRES Database Relational Schema Diagram**

VULNERABILITIES\_DATA ( cve\_number, nvd\_score, cvss\_version, vector\_string, attack\_vector, attack\_complexity, privilege\_required, user\_interaction\_required, scope\_changed, impact\_confidentiality, impact\_integrity, impact\_availability, base\_score, base\_severity, exploitability\_score, impact\_score, description )

APT\_GROUPS ( apt\_group, alias\_names, description )

SYSTEM\_SCORING ( *apt\_group*, score\_name, score, reasoning, remediations )

APT\_CVE\_SCORING ( *cve\_number*, *apt\_group*, score, reasoning )

SOFTWARE\_FIRMWARE ( software\_id, software\_make, software\_name, software\_version )

VULNERABILITY\_INSTANCES ( *cve\_number*, *software\_id* )

CRITICALITY\_DEFINITIONS ( criticality\_value, criticality\_name, downtime\_allowed )

FUNCTION\_DEFINITIONS ( function\_number, function\_name, work\_area, *criticality\_value* )

ENDPOINT\_NODES ( endpoint\_id, endpoint\_name )

INFRASTRUCTURE\_CATEGORIES ( category\_id, category\_name )

HARDWARE ( hardware\_id, infra\_make, infra\_model, description )

HARDWARE\_MAPPING ( *hardware\_id*, serial\_number, *category\_id*, *endpoint\_id* )

FUNCTION\_MAPPING ( *endpoint\_id*, *function\_number* )

SOFTWARE\_FIRMWARE\_MAPPING ( *endpoint\_id*, *software\_id* )

**ACRES Database Relational Schema Diagram** (color coded for easier tracking)

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SOFTWARE\_FIRMWARE ( software\_id, software\_make, software\_name, software\_version )

VULNERABILITY\_INSTANCES ( *cve\_number*, *software\_id* )

CRITICALITY\_DEFINITIONS ( criticality\_value, criticality\_name, downtime\_allowed )

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SOFTWARE\_FIRMWARE\_MAPPING ( *endpoint\_id*, *software\_id* )