# Definitions

### System Definitions

The following Definitions are required per-System...

• Event Definitions
• Task Definitions
• Sample Definitions
• Function Definitions
• Transfer Definitions

### Line 1

• E-Stop
• Jam
• Blocked
• Starved
• Not Scheduled

### Line 2

• E-Stop
• Jam
• Blocked
• Starved
• Not Scheduled

**10 Event Definitions**

### Historian

Tag History Definitions are not tied directly to Systems, but rather the number of Tags to be Historized.

# Services

### Logic Service

- 1st included with Core
- Can be added to spread Load
- Can be added to isolate Functionality

### Historian Service

- 1st included with any Tag History Definitions
- Can be added to spread Load
- Can be added to isolate Functionality

### Workflow Service

- 1st included with any Process Definitions
- Can be added to spread Load
- Can be added to isolate Functionality

### Data Management Service

- Optional
- Can be added to spread Load
- Can be added to isolate Functionality

# Professional vs. Standard

| | STD | PRO |
|---|---|---|
| Logic Service [1] | YES | YES |
| TrakSYS™ WEB Portal [1] | YES | YES |
| Messaging & Notification | YES | YES |
| Basic Business Rule Tag Logic | YES | YES |
| KPI Calculations (no limits) | YES | YES |
| Custom Property/Attribute Definitions | YES | YES |
| Product Attributes & Profiles | YES | YES |
| Job Data Capture | YES | YES |
| TrakSYS™ Concurrent Users (TSUs) | Add | Add |
| Event Definitions | Add | Add |
| Historian (History Tag Definitions) | Add | Add |
| SPC (Sample Definitions) [2] | Add | Add |
| Task Management (Task Definitions) | NO | Add |
| Batch Management (Function Definitions) | NO | Add |
| Storage Systems (Transfer Definitions) | NO | Add |
| Material Management & Traceability | NO | Add |
| Data Management Service [1] | NO | Add |
| Audit (digital signatures/audit trail) | NO | Add |
| OPC Write Back | NO | YES |
| Advanced Script and API | Add | YES |
| Journal | Add | YES |
| Algorithmic Production Scheduling | NO | Add |
| Visual Workflow Management | NO | Add |
| Multi-Site Management | NO | Add |

## Key Points

- Standard DOES NOT include Advanced Script and API (although it can be added).

- You CANNOT add the following to Standard...
  - Task Definitions
  - Function Definitions
  - Transfer Definitions
  - Material Management
  - Data Management Service
  - Audit
  - OPC Write Back
  - Production Scheduling
  - Workflow
  - SIMS

# Miscellaneous

## Advanced Scripting

• Enables C# Script Tags, Logic Service Script Classes, Scripting behind Page Definitions, API Access, (anything that involves C# or JavaScript).
• Included with Professional
• Option to Add to Standard

## Audit

• Enables automatic tracking of all changes to configuration and data, including user interfaces for signing off on changes.
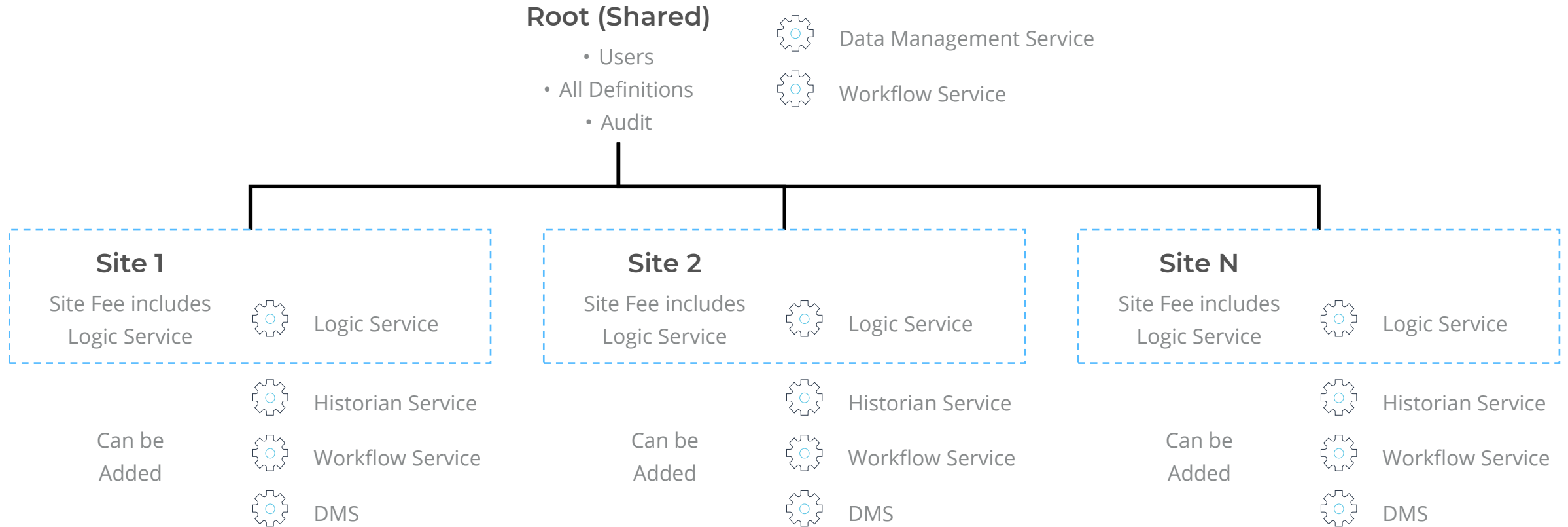• Option to Add to Professional
• NOT Available in Standard

## Material Management and Traceability

• Enables use of Material Definition structures and API objects.
• Access to Traceability Visualization
• Option to Add to Professional
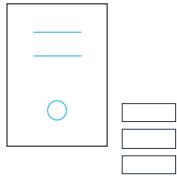• NOT Available in Standard

# TrakSYS Licensing
# SIMS

**Root (Shared)**
- Users
- All Definitions
- Audit

⚙ Data Management Service

⚙ Workflow Service

**Site 1**

Site Fee includes Logic Service

⚙ Logic Service

Can be Added

⚙ Historian Service

⚙ Workflow Service

⚙ DMS

**Site 2**

Site Fee includes Logic Service

⚙ Logic Service

Can be Added

⚙ Historian Service

⚙ Workflow Service

⚙ DMS

**Site N**

Site Fee includes Logic Service

⚙ Logic Service

Can be Added

⚙ Historian Service

⚙ Workflow Service

⚙ DMS

*PARSEC*™

TrakSYS™ Solution Architect Training

# SQL Server

## SQL Server

TrakSYS Licensing includes SQL Server Standard

**Parsec is a Gold/ISV Partner with Microsoft**
A portion of our license fees go to Microsoft

**SQL Server can only be used for TrakSYS**
Includes related Extensibility within the TrakSYS Database

**TrakSYS SMA includes SQL Server Maintenance**
Enabled rights to upgrade to newer Versions of SQL Server

**SQL Enterprise or Hosted (Azure/AWS) can be Used**
Customer will be responsible for providing Licensing

*PARSEC™*

# Cores

## Core Policy Summary

- Base TrakSYS™ packages include the rights to run on a total of 4 Cores. Each additional Service (Logic – beyond the included instance, Historian, Workflow, Data Management) adds 2 Cores to the allowance.

- Each additional pair of Cores (2) hosting TrakSYS™ software requires an additional license component.

## Calculating Core Usage

- Identify all servers where a TrakSYS™ component is installed. This includes the SQL Server database, the web application server and servers hosting any TrakSYS™ service. Browser clients and devices do not count.

- For physical servers hosting components, all Cores on the server must be counted.

- For virtual servers hosting components, only the Virtual Processors assigned to the VM/Hyper-V are counted (not all the Cores on the underlying physical host server). Each Virtual Processor is counted as a single Core.
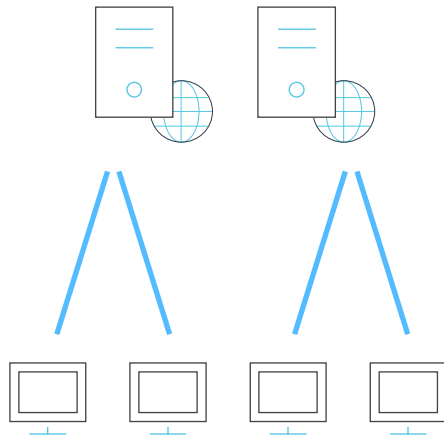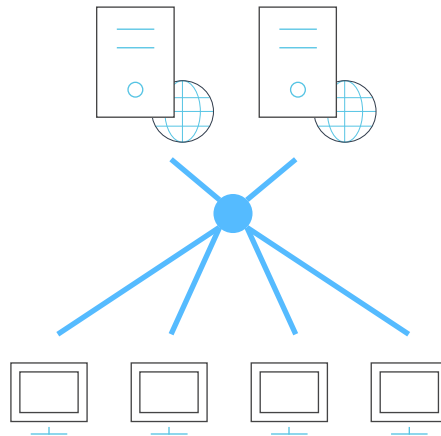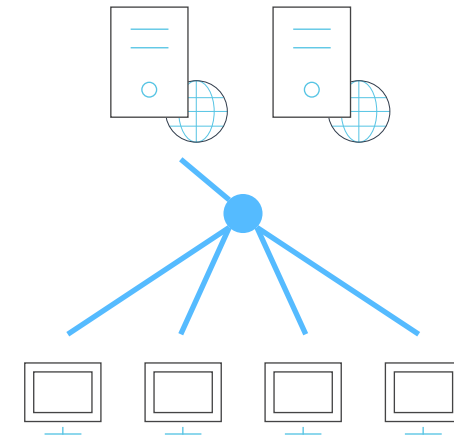
# Hosted Features and Runtime Limits

### Hosted Features

The following features may require a Host Name to be associated before Activation.

- Logic Service
- Historian Service
- Workflow Service
- Data Management Service
- TS Web

### Runtime Limits

The following features may contain Runtime Limits which limit how long the component can run without a restart.

- Logic Service
- Historian Service
- Workflow Service
- Data Management Service

Value = 1 and Host = Empty means that a Host must be provided before Activation

| Feature | Value | Host |
|---------|-------|------|
| TrakSYS Web | 1 | |
| TrakSYS Logic Service | 1 | |
| TrakSYS Historian Service | 1 | |
| TrakSYS Data Management Service | 1 | |

Value = .D5 means that the component will stop after 5 Days

| Feature | Value | Host |
|---------|-------|------|
| TrakSYS DEV Web | 1 | |
| TrakSYS DEV Logic Service | 1.D5 | |
| TrakSYS DEV Historian Service | 1.D5 | |
| TrakSYS DEV Data Management Service | 1.D5 | |

Value = *. and Host = N/A means that components can run on any Host without Activation Binding

| Feature | Value | Host |
|---------|-------|------|
| TrakSYS Partner | *.H4 | N/A |

# Special Licenses

### Production

Hosted Features
No Runtime Limits
No Expiration

### Development

Hosted Features
Runtime Limits
No Expiration

### Partner

Open Hosted Features
Runtime Limits
Expiration (Partner Anniversary)

### CDL

Hosted Features
Runtime Limits
Expiration (Yearly)

### Evaluation

Hosted Features
No Runtime Limits
Expiration (30 or 60 Days)