

# Optimizing Performance and Maintaining Integrity



**Pinal Dave**

SQL Server Expert

@pinaldave | [blog.sqlauthority.com](http://blog.sqlauthority.com)



# Overview



## Hierarchy

- Indexes
- Triggers

## Demo

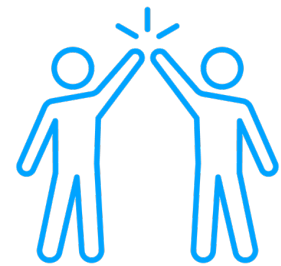
## Best practices



# Significance of Indexes in Hierarchy Performance



**Enhance hierarchy performance**



**Act as a roadmap**



**Transform sluggishness into speed**



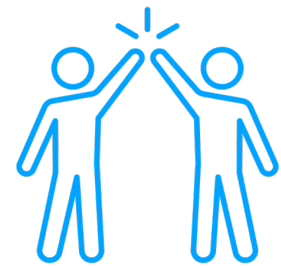
**Make interactions with hierarchy easier**



# The Role of Triggers in Maintaining Hierarchy Integrity



**Ensure hierarchy consistency and accuracy**



**Act as vigilant guards**



**Enforce rules and constraints**



**Safeguard hierarchy health**



# Demo



**Index for optimizing performance**





# Demo



**Trigger for maintaining integrity**



## Best Practices



**Indexes optimize hierarchy for efficient performance**

**Utilize indexes as navigational roadmaps for data**

**Triggers ensure hierarchy consistency, acting as safeguards**

**Employ triggers to enforce rules, maintaining integrity**



# Important Resources

Official documentation - <https://learn.microsoft.com/en-us/sql/sql-server/>

Pluralsight Library: Search “**SQL Server**”

Pluralsight Discussion Forum

[pinal@sqlauthority.com](mailto:pinal@sqlauthority.com) | @pinaldave

