

The logo for ilion x features the word "ilion" in a dark blue, lowercase, serif font, followed by a red "x" in a similar serif font. The background is white with a large, faint, light gray watermark of the letters "ilx" behind the main text.

ilion x

Your partner in digital business

X | Your partner in digital business



1000+ medewerkers



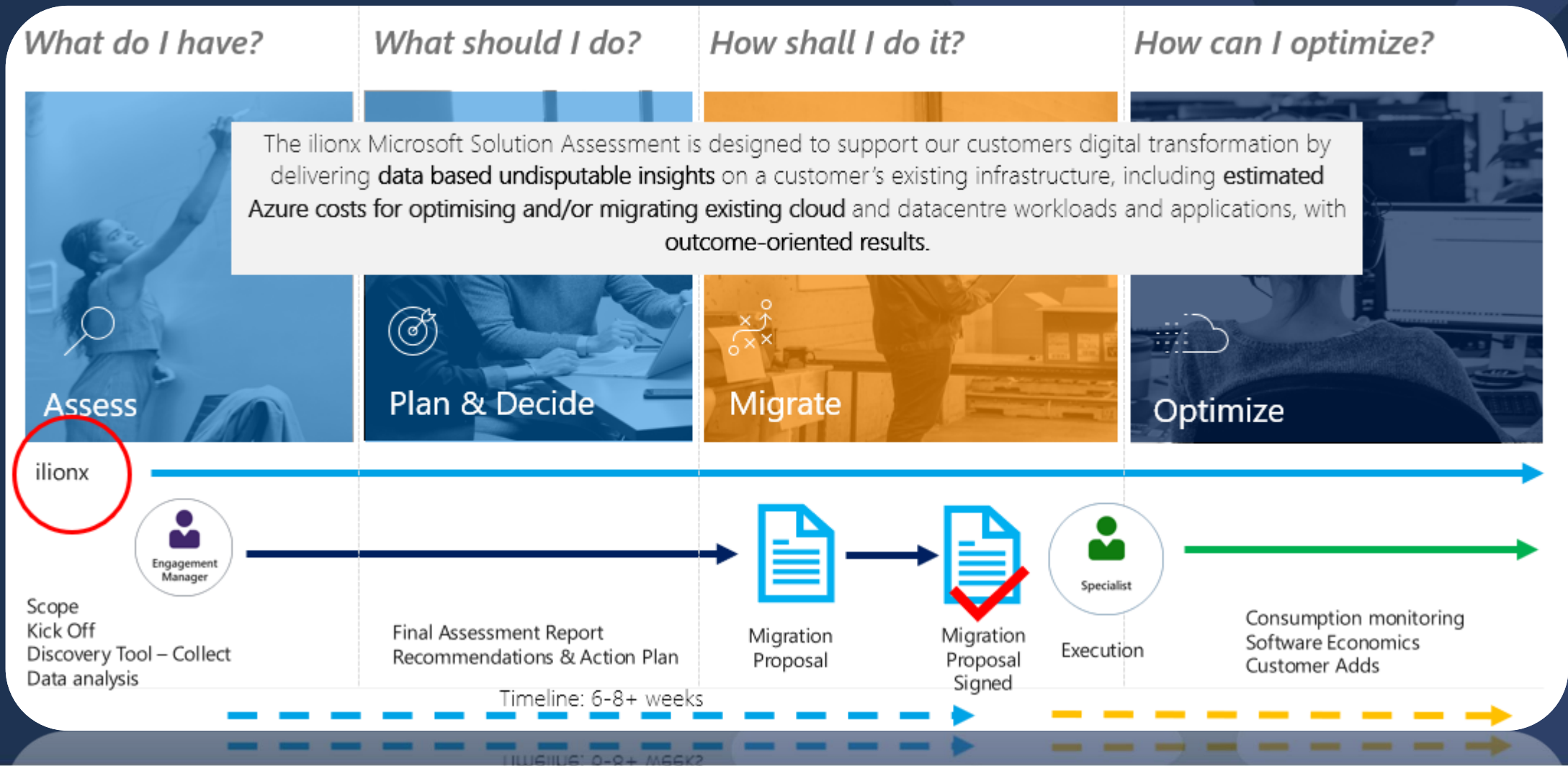
8 vestigingen



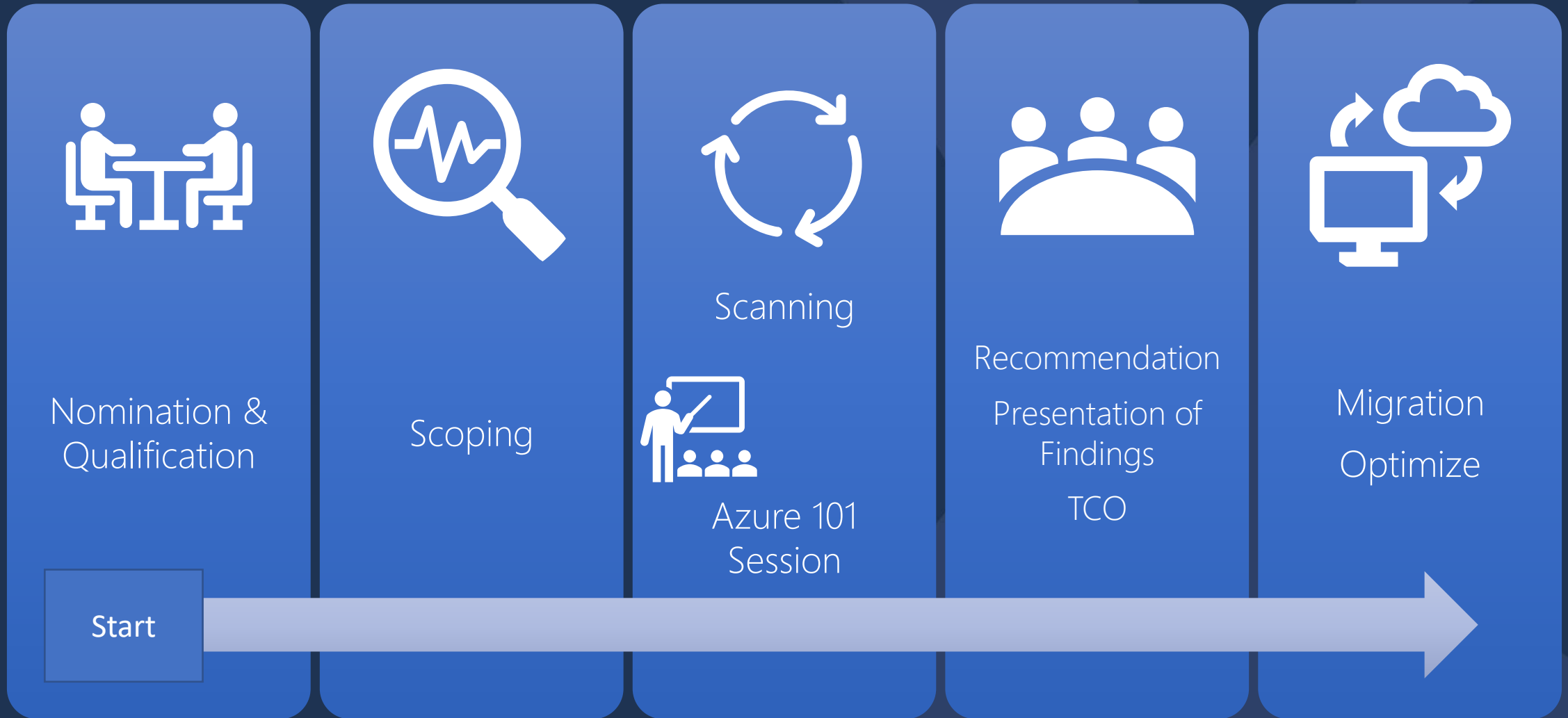
Financieel gezond






Ilionx Solution Assessment – Scope and Milestone



Ilionx Solution Assessment – Process?



Our solutions and services for the entire journey to Azure

| Assess | | | | Pre-Migration | | | | Migration | | | |
|--|-----------------------------|---------------------------|---------------------|---|------------------------|----------------------------|--------------------------------|---|--------------------------|--------------------|---------------------------------|
| Discover/ Inventory | Sizing / SKU Recommendation | TCO / ROI & Business Case | Dependency Analysis | Application PaaS Analysis | Database PaaS Analysis | App / DB Migration Staging | Azure Security / Network Setup | App & Database Remediation | Infrastructure Migration | Database Migration | App Migration (VM / Containers) |
| IT Data Sources & Tools  CloudRecon | | | |  CloudPilot | | | |  + ASR + DMS | | | |

| Optimize | | Secure / Manage | |
|---|------------------------|--|--|
| Performance / Cost Optimization | App / DB Modernization | Develop Security / Compliance Baseline | Monitor Security / Compliance Baseline |
|  CloudSupervisor + Cost Management, Policy, Blueprints, Sentinel, Security Center, Resource Graph | | | |



Assess

Identify and inventory on-premise resources to plan where cloud migration should start.



Migrate

Migrate quickly and efficiently with flexible, powerful tools. Ensure minimal business impact.



Optimize

Streamline resources to improve performance, maximize ROI, and maintain compliance.



Secure/Manage

Fine tune resources to strengthen security and gain oversight of analytics and Azure usage.

CloudAtlas®

UnifyCloud Example

Drill-down capability for any small changes

The screenshot displays the CloudPilot interface for a database migration project. The main content area is titled "Database Name : CloudOrigin" and shows a "Scan Result" table with the following data:

| Project Name | Database Type | Server Name | Server Version | Server Edition | Scanned Date |
|------------------|---------------|-----------------------------|----------------|--------------------------|--------------|
| DBAssessmentProj | MSSQL | Unifycloud_PC_5VSQL EXPRESS | 12.0.5207.0 | Express Edition (64-bit) | 05/22/2019 |

Below the scan result, there are three main sections:

- Recommendations:** "Database Migration" section with a description of SQL Database and a "Why" section. It also lists an "Other Option: SQL Service running on IaaS Virtual Machine."
- Recommendations Result:** A table showing the number of recommendations for each option:

| Option | Count |
|----------------------|-------|
| Azure SQL DB | 4 |
| SQL Running on VM | 1 |
| SQL Managed Instance | 1 |
- Azure Infrastructure Cost for Database:** A table showing costs for different options:

| Option | Cost |
|----------------------|------------------------|
| Azure SQL (DTU) | 56 (USD\$ 590.36) |
| Azure SQL (vCore) | 4 vCore (USD\$ 738.39) |
| SQL Running on VM | D4 v3 (USD\$ 1373) |
| SQL Managed Instance | 4 vCore (USD\$ 736) |

At the bottom, there are two charts:

- Migration Effort:** A bar chart showing migration effort in days and hours for different environments. The y-axis is "Days" (0 to 4.5). The x-axis categories are "Azure SQL", "SQL Running on VM", and "SQL Managed Instance". The bars show: Azure SQL (4 Days 2 Hours), SQL Running on VM (2 Hours), and SQL Managed Instance (2 Hours). A legend indicates "1 Day = 8 Hours".
- Readiness Status:** A horizontal bar chart showing the readiness status for each option. The x-axis is percentage (0% to 100%). The y-axis categories are "Azure SQL DB", "SQL Running on VM", and "SQL Managed Instance". The bars show: Azure SQL DB (81% Ready, 19% Not Ready), SQL Running on VM (94% Ready, 6% Not Ready), and SQL Managed Instance (94% Ready, 6% Not Ready). A legend indicates "Ready" (green) and "Not Ready" (red).

Drill-down capability for any small changes

CloudPilot®
DEMO@UNIFYCLOUD.COM

Overview

Azure SQL

SQL Running on VM

SQL Managed Instance

Security Recommendation

Costing Dashboard

Azure SQL Managed Instance Recommendations

Scan Result

| | | |
|------------------|---------------------------|--------------------------------------|
| Name of Database | Instance Name | Server Version/Edition |
| CloudOrigin | UNIFYCLOUD_PC_5SQLEXPRES5 | 12.0.5207.0/Express Edition (64-bit) |
| Size | Assessment Name | Source Platform |
| 8 MB | CloudOrigin dbassessment | On-Premise |

Recommendations Result

| | |
|-----------------------|------------------|
| Total Recommendations | Impacted Objects |
| 1 | 2 |
| Total Effort | |
| 2 Hours | |

Total Estimated Effort

| | | |
|-------|--------|-------|
| Small | Medium | Large |
| 1 | 0 | 0 |

Azure SQL Managed Instance Readiness

Ready: 94%
Not Ready: 6%

Recommendation by Size Estimate

Small: 2 Hours
Medium: 0
Large: 0

Recommendation by Category

Small: 1
Medium: 0
Large: 0

BehaviorChange - Unqualified Join(s) detected

Unqualified join(s) detected

Issue details

Impact
Starting with database compatibility level 90 and higher, in rare occasions, the unqualified join syntax can cause missing join predicate warnings, leading to long running queries.

Recommendation
An example of "Unqualified join" is select * from table1, table2 where table1.col1 = table2.col1. Use explicit JOIN syntax in all cases. SQL Server supports the below explicit joins: - LEFT OUTER JOIN or LEFT JOIN - RIGHT OUTER JOIN or RIGHT JOIN - FULL OUTER JOIN or FULL JOIN - INNER JOIN

- Missing join Predicate Event Class (<https://go.microsoft.com/fwlink/?linkid=798567>) - Deprecation of "Old Style" JOIN Syntax: Only A Partial Thing (<https://go.microsoft.com/fwlink/?linkid=798568>) - DDC: Please strive to use ANSI-style joins instead of deprecated syntax (<https://go.microsoft.com/fwlink/?linkid=798569>) - Missing join predicate icon should be red (<https://go.microsoft.com/fwlink/?linkid=798570>)

Action
Warning

Impacted Objects (2)

| Impacted Objects | Impacted Type | Estimated Efforts | Estimated Size |
|--------------------------------|---------------|-------------------|----------------|
| dbo.sp_getservice_count | Procedure | 2 Hour | Medium |
| dbo.sp_getservice_count_detail | Procedure | 2 Hour | Medium |

Object Details

Name: dbo.sp_getservice_count
Type: Procedure
Impact Details: Object [dbo].[sp_getservice_count] uses the old style join syntax which can have poor performance at database compatibility level 90 and higher. For more details, please see: Line 17, Column 111.
Name: dbo.sp_getservice_count_detail
Type: Procedure

UnifyCloud Example



Dependency analysis

Assess
Dependency Analysis

- Integrating infrastructure and app / database data to define critical dependencies to create logical migration groups.
- Creates a migration management environment that includes dependency mapping and migration test plans.

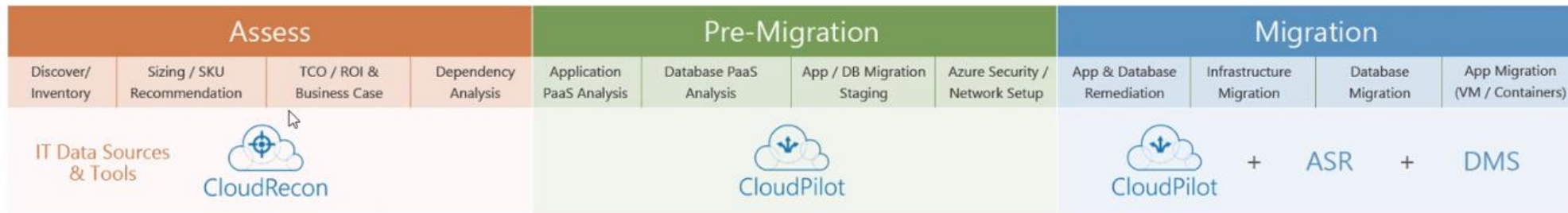
The screenshot displays the UnifyCloud interface for a dependency analysis of an application named 'Dell Boomi'. The main area shows a 'Dependency Graph' with various nodes representing servers and their interdependencies. The nodes are color-coded: red for 'Group', green for 'Server', and yellow for 'Connected Servers'. The graph shows a complex network of dependencies between various servers, including 'INFORMATION TECHNOLOGY' and several servers with domain names like 'TISHMANSPYER.NET'. The interface includes tabs for 'Logical View', 'Deployment View', 'Runtime View', 'Network View', 'Azure Logical View', and 'Azure Deployment View'. The 'Network View' is currently selected, showing a detailed dependency map.

On the right side, there is a 'Details' panel for the application. It includes the following information:

| Application Name | Other Details |
|-------------------------|---|
| Dell Boomi | Business Owner: Rajeebar Reddy, Application Owner: Rajeebar Reddy |
| Application Server | Info Owners: Rajeebar Reddy, Email Owners: RReddy@Contractors.Tishman.com |
| Database Server | Support Lead/PM: N/A, External Support: N/A |
| Database Name | Support Type: 2nd Party, No of Users: N/A |
| Development Language | User Base: N/A, IT Screens: Applications |
| Assessment Report | Category: Mission Critical Applications, Test Owner: Rajeebar Reddy |
| Test Plan | Test Plan: N/A, Application Server Vendor: Rajeebar Reddy, CS Infra Team |
| Database Server Vendor | DB Priority: 1 - Critical |
| Desired RTO: 15 minutes | Desired RPO: 1 hour |

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