

Centralized P4: One Stop Shop

2022 ITMD Annual Workshop

Nez Perce Tribe

Clark Watry

Data Steward

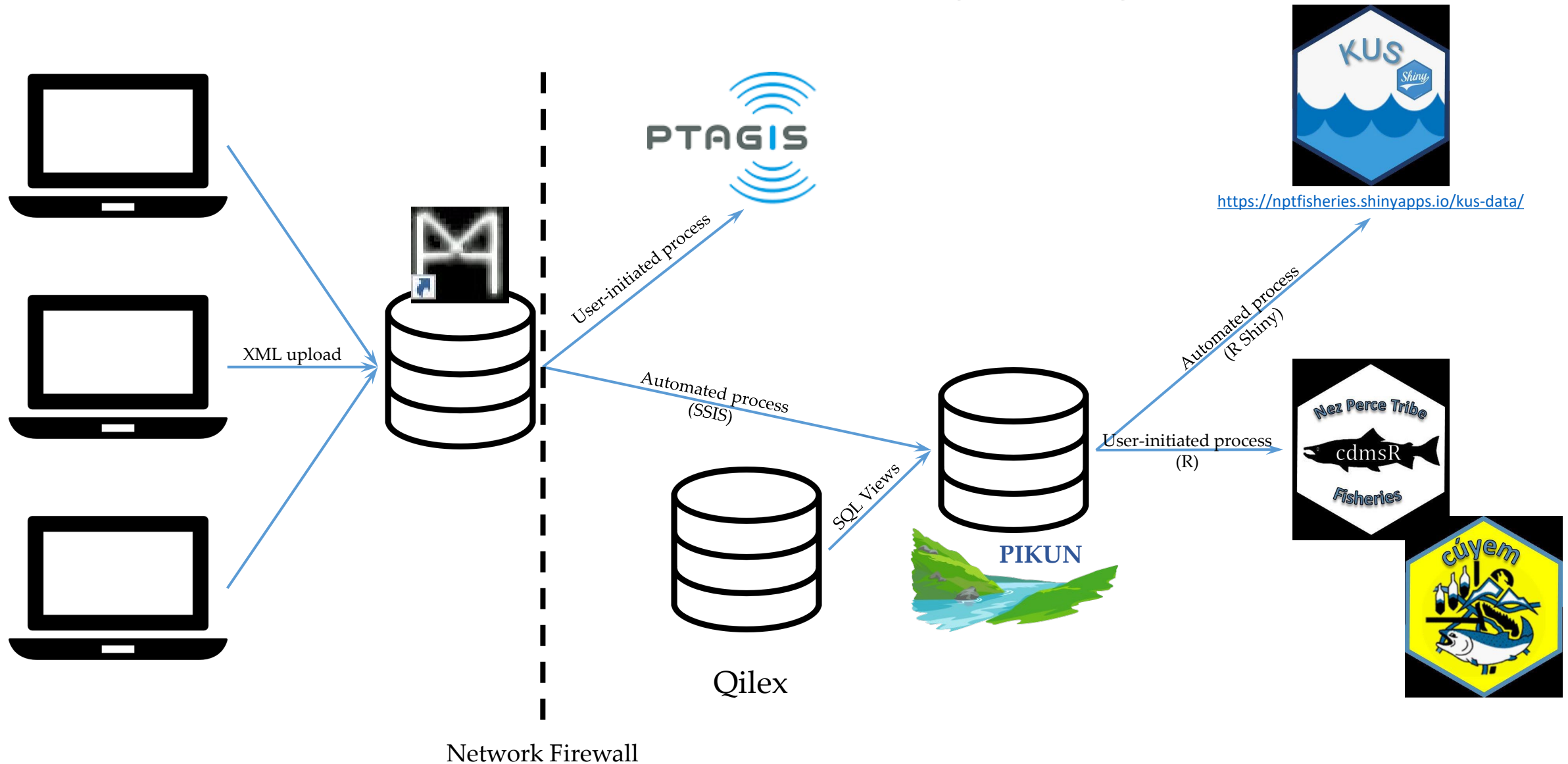
April 13, 2022



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Centralized P4 Workflow

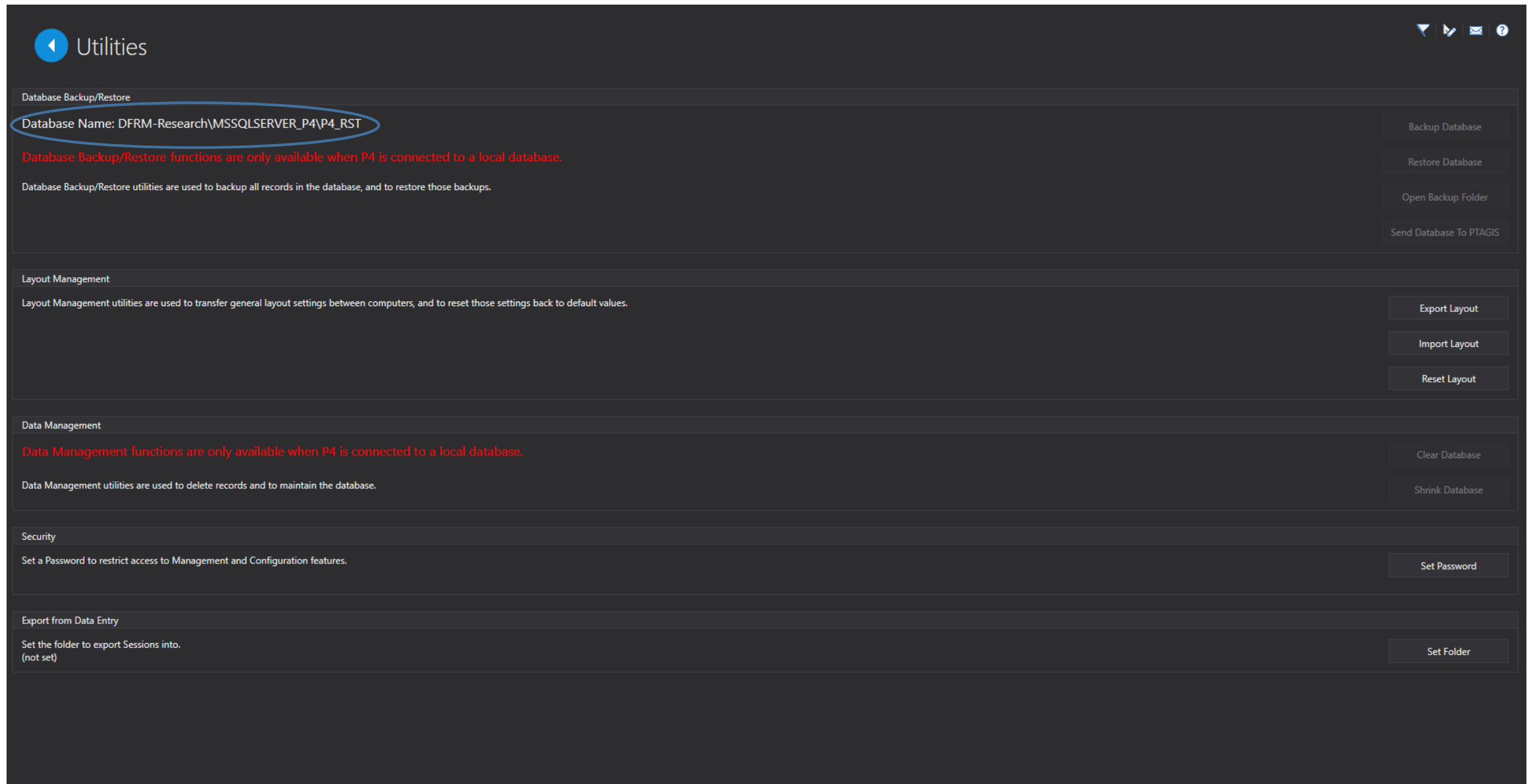


Centralizing P4

```
<add name="P4Entities"
connectionString="metadata=res://*/DataModel.P4DataModel.csdl|res://*/DataM
odel.P4DataModel.ssdl|res://*/DataModel.P4DataModel.msl;provider=System.Dat
a.SqlClient;provider connection string=&quot;data source=DFRM-
Research\MSSQLSERVER_P4;initial catalog=P4_RST;integrated
security=True;MultipleActiveResultSets=True;App=EntityFramework&quot;;"
providerName="System.Data.EntityClient" />
```

```
<!-- <add name="P4Entities"
connectionString="metadata=res://*/DataModel.P4DataModel.csdl|res://*/DataM
odel.P4DataModel.ssdl|res://*/DataModel.P4DataModel.msl;provider=System.Dat
a.SqlClient;provider connection string=&quot;data
source=localhost\P4_SQLEXPRESS;initial catalog=P4;integrated
security=True;MultipleActiveResultSets=True;App=EntityFramework&quot;;"
providerName="System.Data.EntityClient" />
```

P4: Utilities



The screenshot displays the 'Utilities' section of a software interface. At the top left, there is a blue circular icon with a white left-pointing arrow and the text 'Utilities'. In the top right corner, there are four small icons: a downward-pointing triangle, a magnifying glass, an envelope, and a question mark. The main content area is divided into several sections, each with a title and a list of utility buttons on the right side.

Database Backup/Restore

Database Name: DFRM-Research\MSSQLSERVER_P4\P4_RST

Database Backup/Restore functions are only available when P4 is connected to a local database.

Database Backup/Restore utilities are used to backup all records in the database, and to restore those backups.

Buttons: Backup Database, Restore Database, Open Backup Folder, Send Database To PTAGIS

Layout Management

Layout Management utilities are used to transfer general layout settings between computers, and to reset those settings back to default values.

Buttons: Export Layout, Import Layout, Reset Layout

Data Management

Data Management functions are only available when P4 is connected to a local database.

Data Management utilities are used to delete records and to maintain the database.

Buttons: Clear Database, Shrink Database

Security

Set a Password to restrict access to Management and Configuration features.

Button: Set Password

Export from Data Entry

Set the folder to export Sessions into.
(not set)

Button: Set Folder

P4: Configuration Tools

Configuration Tools

Profiles Repeating Values Data Entry Layouts Tag Actions Tag Lists Peripheral Devices Digitizer

- IMN SMP
- IMN SMP - PASSIVE RECAP BYPASS
- JCAPE - Johnson Creek
- JCAPE - Secesh River
- NPTH - Adult Lamprey tagging
- NPTH - Lolo Creek RST
- NPTH - SFCR RST - Stites

Configuration Tools

Profiles Repeating Values Data Entry Layouts Tag Actions Tag Lists Peri

- IMN SMP - MY2021
- IMN SMP - PASSIVE RECAP BYPASS
- JCAPE - Johnson Creek
- JCAPE - Secesh River
- NPTH - Adult lamprey
- NPTH - Hatchery Tagging
- NPTH - Lolo Creek RST
- NPTH - Minnow Trapping SFCR
- NPTH - SFCR RST
- NPTH - SFCR Seining
- NPTH - SWS PS Tagging 2018
- NPTH - Wind River RV

Configuration Tools

Profiles Repeating Values Data Entry Layouts Tag Actions Tag Lists P

- IMN SMP
- JCAPE - Screw Trap Data Entry Layout
- NPTH - Adult Lamprey
- NPTH - RST Data Entry Layout

P4: Configuration Tools

Configuration Tools

Profiles Repeating Values Data Entry Layouts Tag Actions Tag Lists Peripheral Devices Digitizer Maps Project-Defined Fields Custom Validation

Name	Result Type	Description	Enabled
1.1g Check	Warning	Balance 1.1g error prevention.	<input checked="" type="checkbox"/>
12W TSTT	Warning	12W less than 65mm are Too Small To Tag (TSTT).	<input type="checkbox"/>
12W YOY	Warning	12W less than 60mm need a Young of Year (YOY) text comment.	<input type="checkbox"/>
13W PIT Check	Error		
32W Brood Year	Error		
AD Clip Check	Warning		
Chinook Size Limit	Warning		
Hatchery Chinook Mark	Warning		
Hatchery Fish with tag comment (TU/TD)	Warning		
Hatchery Steelhead Mark	Warning		
Lamprey DNA	Warning		
Lamprey Life Stage	Warning		
Mark with Dot Out	Error		
Marked 7RW not TD	Warning		
Not a TD	Error		
Not a TU	Error		
PIT in Non-Target	Warning		
Recap PIT Check	Error		
Recovery PIT Check	Error		
TU/TD Check	Warning		
Wild Fish with AD clip	Error		

Configuration Tools

Profiles Repeating Values Data Entry Layouts Tag Actions Tag Lists Peripheral Devices Digitizer Maps Project-Defined Fields

Name	Column	Session Field
NFish	PDV1	<input type="checkbox"/>
Trap Start Date/Time	SPDV1	<input checked="" type="checkbox"/>
Trap End Date/Time	SPDV2	<input checked="" type="checkbox"/>
Hours_Sampled	SPDV3	<input checked="" type="checkbox"/>
Staff Gauge	SPDV4	<input checked="" type="checkbox"/>
Trap RPM	SPDV5	<input checked="" type="checkbox"/>
Weather	SPDV6	<input checked="" type="checkbox"/>
Operational_Condition	SPDV7	<input checked="" type="checkbox"/>
Staff Gauge (ft)	SPDV8	<input checked="" type="checkbox"/>