Big Data Platform Construction & Service
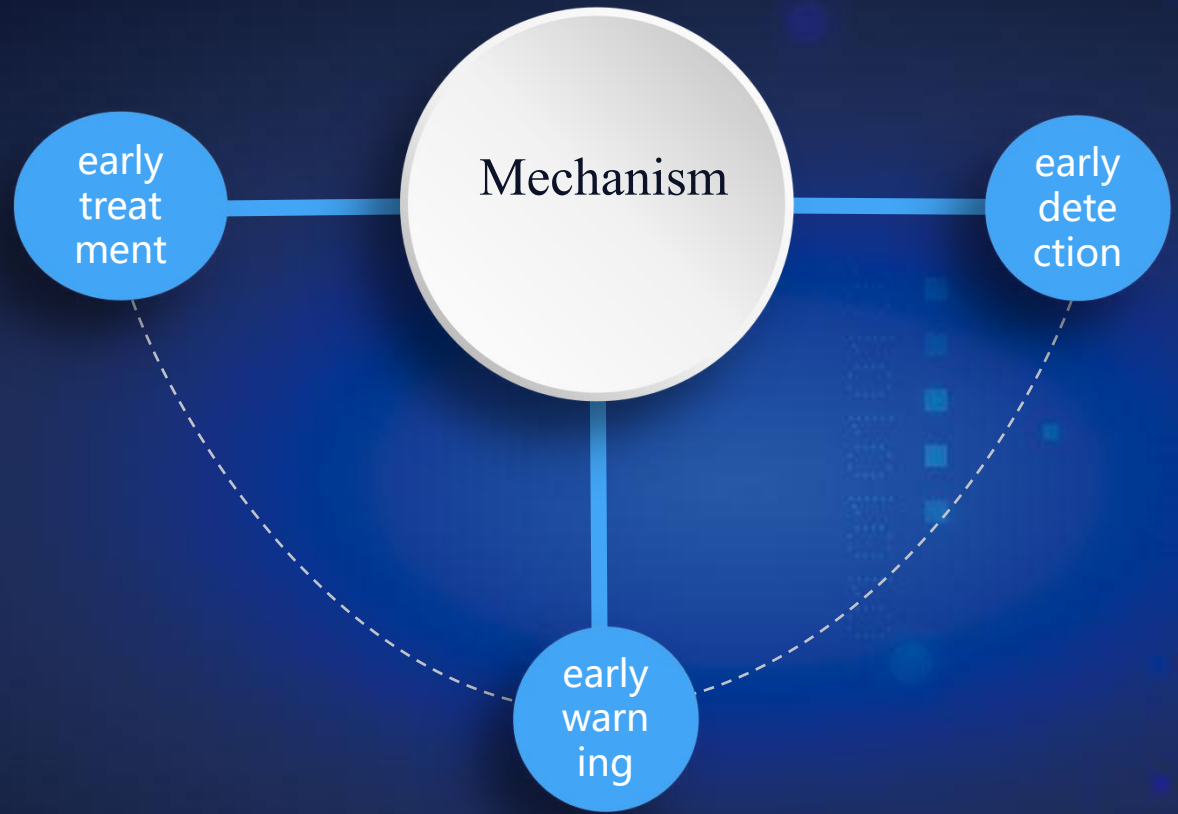
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·Review of the Construction of the Big Data Platform

2020 transformation
- ✓ organize data for service
- ✓ try to use data to drive business process innovation

2019 operation
- ✓ established data operation system
- ✓ organized a competition
- ✓ opened space for independent exploration

2018 growth
- ✓ improved our data link
- ✓ developed more applications
- ✓ supplied data for more production systems

2017 exploration
- ✓ created national demonstration applications
- ✓ started to research big data model
- ✓ began to build the structure of data governance

2016 initial construction
- ✓ built a big data cloud platform
- ✓ collected national tax data
- ✓ got a dynamic national perspective

·Maintenance Guarantee and Verification Mechanism

Mechanism

early treatment

early detection

early warning

- start to analyze the reason of the problem immediately, and coordinate with related personnel for troubleshooting.
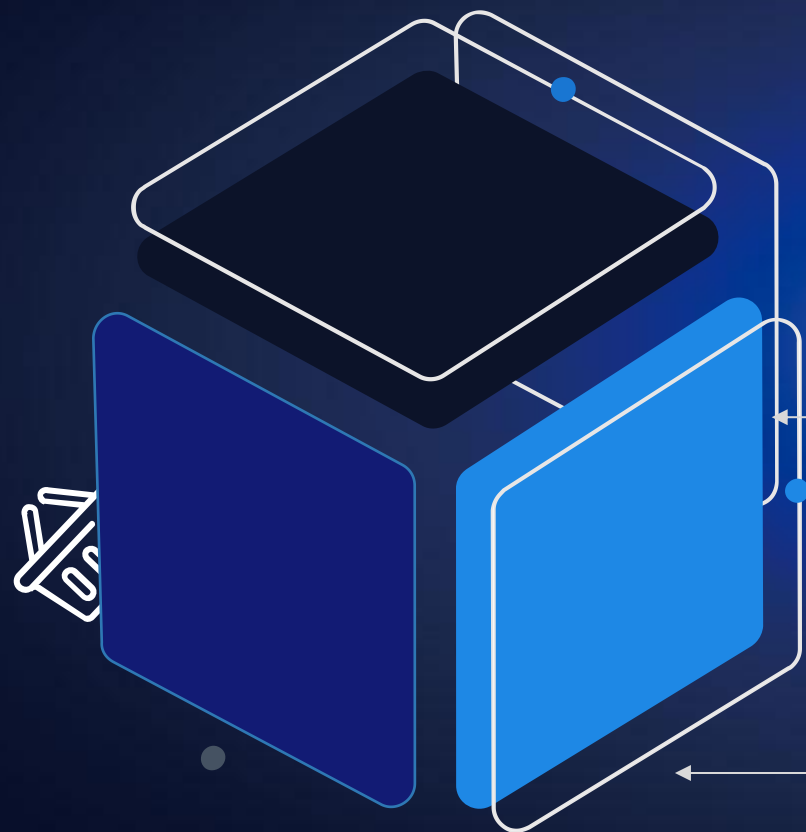
- developed data link monitoring program and operation and maintenance tools.

- the tools will trigger an exception alert. Our staff will get the information and inform downstream data users to suspend data use in a timely manner.

Big Data Service

STA
Data
+
Provincial
Data

Full

Fast

Detailed

Accurate

Big data cloud platform of the STA

Full

01 Registration Data

02 Corporate Tax Return Data

03 Tax Revenue Data

04 VAT Invoice Data

05 Individual Tax Return Data

06 Export Tax Refund Data

07 Representative Enterprise Data

Fast

01

Real Time

●Data such as tax revenue and tax management processes are updated in real time.

02

T+1

●VAT invoices and tax returns are updated in T+1 days.

03

T+3

●Most other data can also be updated in T+3 days.

Detailed

01
✓Can be correlated and drilled down in accordance with the unified national standards.

02
✓Depict the operational status of taxation in different fields.

Accurate

Taking the value-added tax invoice data as an example, it can completely and accurately reflect the entire operation process of various economic entities.

Once invoices are issued, they enter the system directly, and every invoice issued is recorded. This all determines the accuracy of our tax data.

Big Data Ecological Environment

decision-making and reference support

Big data platform

centralize, broaden and integrate internal and external data resources

unify and standardize the scope of data application

platform

data

algorit
hm

service

applic
ation

Customized Application

1、STA level

unified customized applications

2、Department & Province level

personalized customized applications

3、Public information service

special data zones