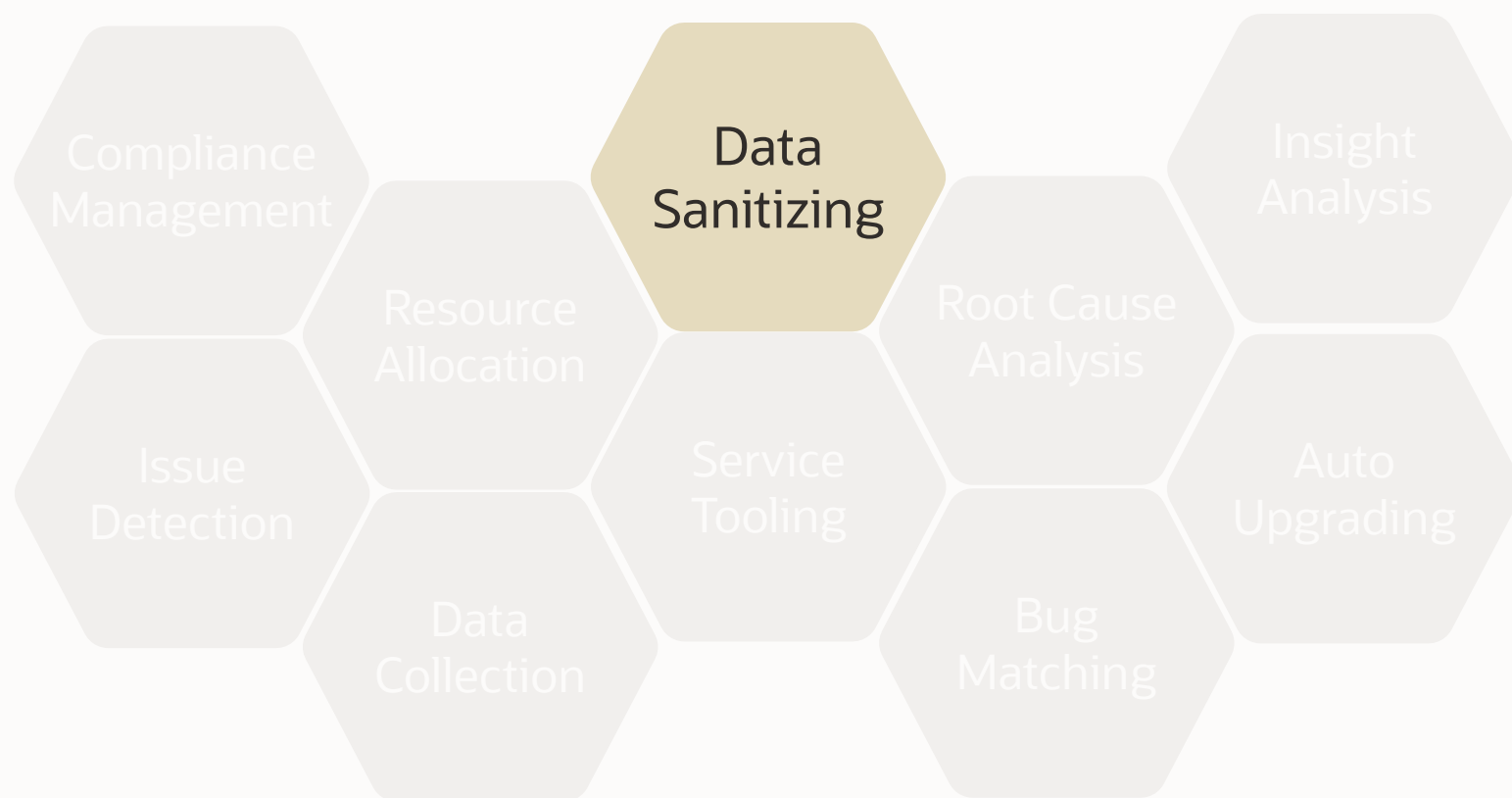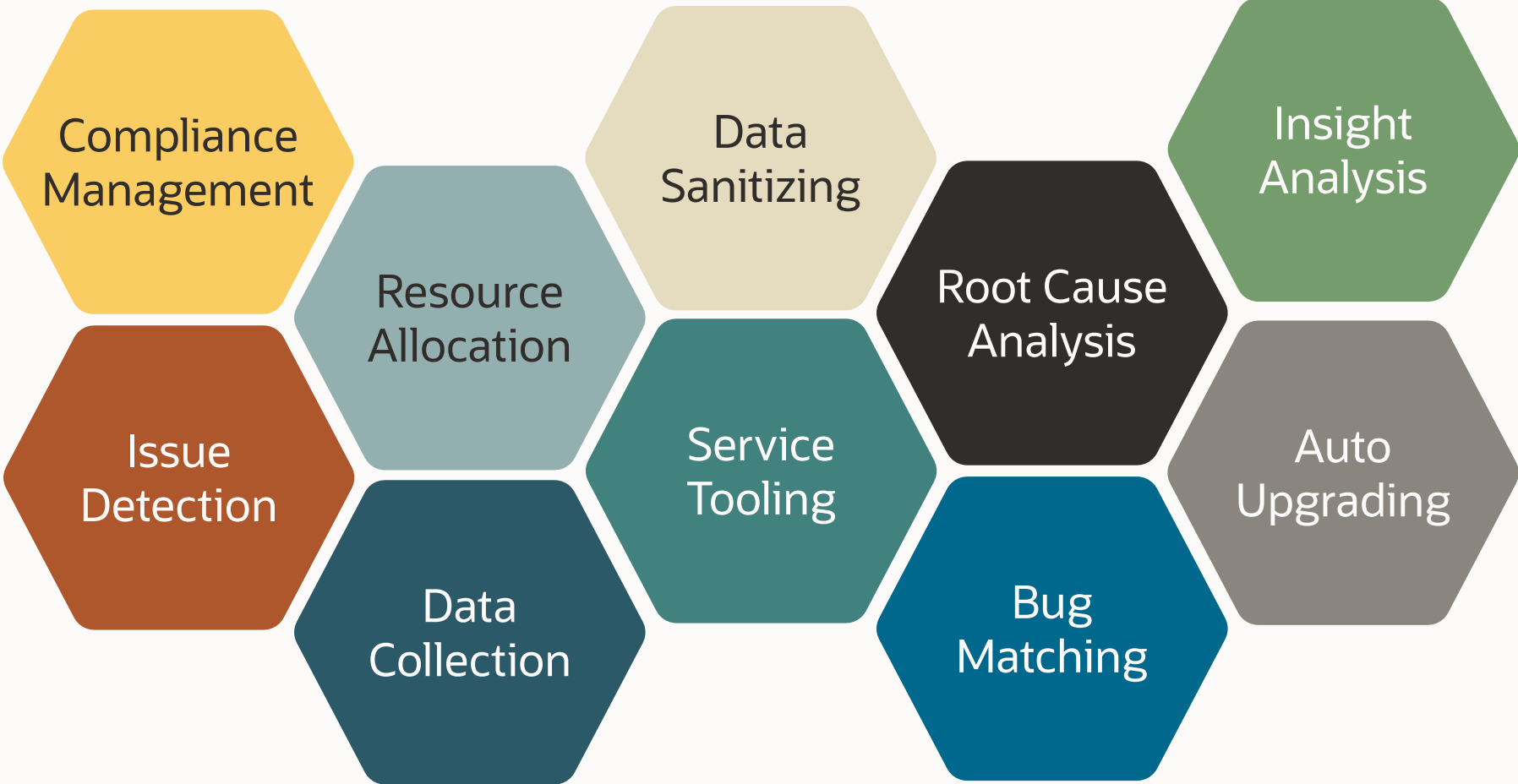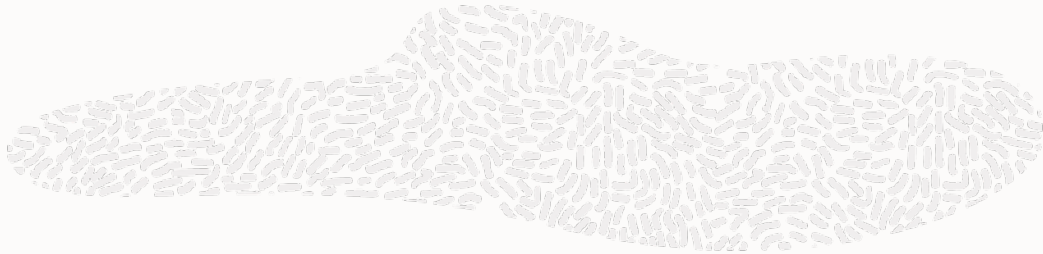# ORACLE

Autonomous Health Framework

Data Sanitizing
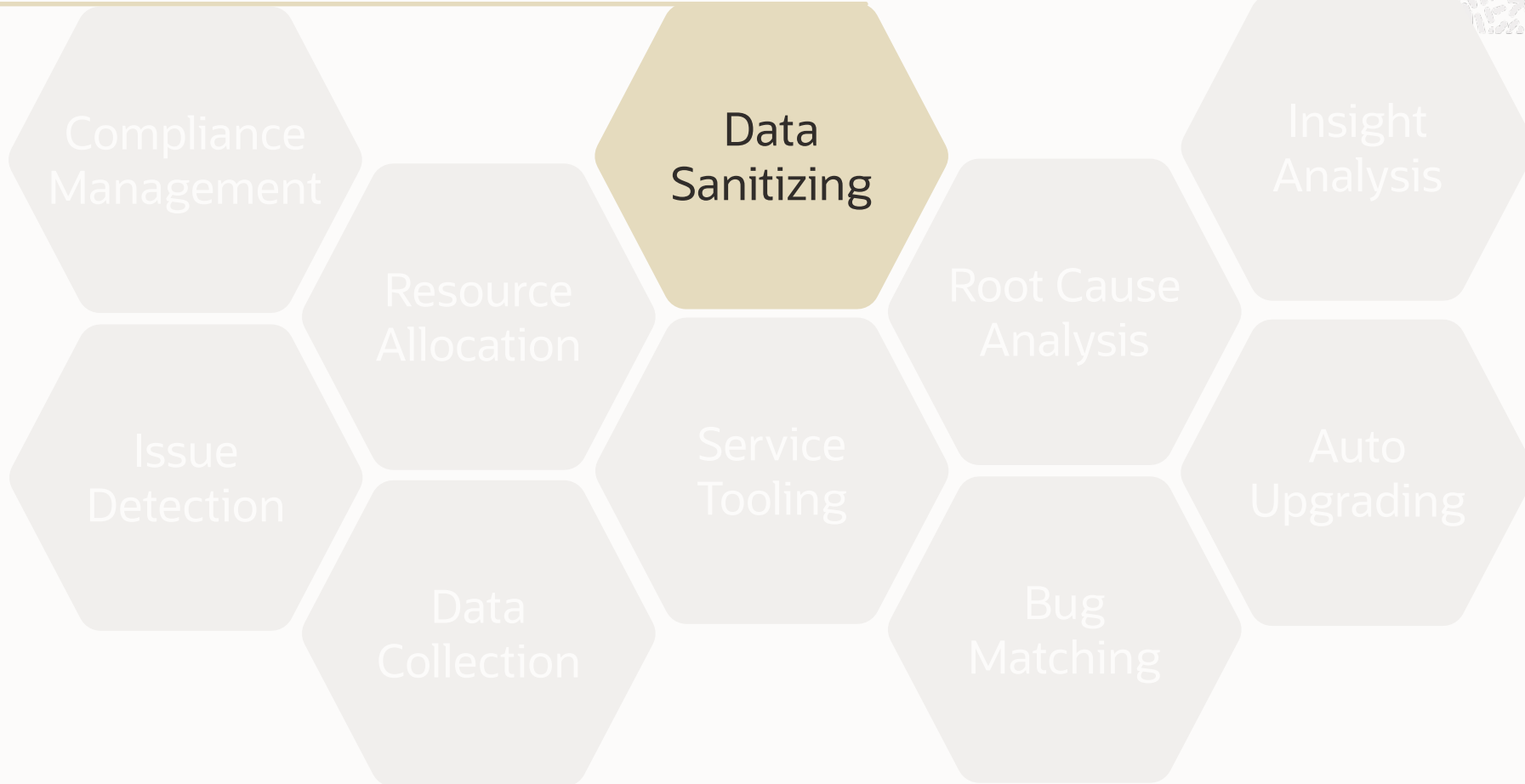
Oracle Autonomous Health Framework

Oracle Autonomous Health Framework

Sanitize or redact sensitive data before sharing

Compliance Management

Resource Allocation

Data Sanitizing

Root Cause Analysis

Insight Analysis

Issue Detection

Service Tooling

Auto Upgrading

Data Collection

Bug Matching

Sanitize or mask sensitive information

Sensitive information can be hidden from diagnostics

Machine learning algorithms determine sensitive data like:

- Host names
- IP addresses
- MAC addresses
- Oracle Database names
- Tablespace names
- Service names
- Ports
- Operating system user names

Sanitize or mask sensitive information

Add   `--sanitize`   or   `--sanitize`   to any command

Replaces a sensitive value with random characters
- myhost123 >>>> JnsF3km9

`--mask`

Replaces a sensitive value with a series of 'X'
- myhost123 >>>> XXXXXXXX

| 8300E0A2FFE48253E053D298EB0A76CC | FAIL | OS Check | The stix-fonts package is installed | All Database Servers | Hide |

Check ID

Verify stix-fonts RPM

Recommendation	**Benefit / Impact:**
	gridSetup.sh/runInstaller.sh Fails to Launch No Error Messages.
	
	On Linux 7, when the Stix Font package is installed, it is set as the default font package for the OS.
	This exposes Java <Bug 28522678> resulting in the java.lang.ArrayIndexOutOfBoundsException when initializing the fonts.
	This subsequently causes gridSetup.sh and runInstaller.sh to fail to launch with no error messages or warnings displayed on the screen.
	
	Risk:
	Inability to install or upgrade
	
	Action / Repair:
	Workaround #1 – Remove the stix-fonts package:
	
	# rpm –e stix-fonts
	Or you can run ORAchk –repair all –preupgrade –check 8300E0A2FFE48253E053D298EB0A76CC –dbnone –showpass to repair this check on all nodes in cluster
	
	Workaround #2 – Modify the Default Font Package as follows:
	
	Note: This workaround is applicable to those who have requirements on installation of the stix-fonts package
	
	Create a file named /etc/fonts/local.conf with the following contents:
	
	`<?xml version='1.0'?>`
	`<!DOCTYPE fontconfig SYSTEM 'fonts.dtd'>`
	`<fontconfig>`
	`<alias>`
	`<family>serif</family>`
	`<prefer> <family>Utopia</family> </prefer>`
	`</alias>`
	`<alias>`
	`<family>sans-serif</family>`
	`<prefer> <family>Utopia</family> </prefer>`
	`</alias>`
	`<alias>`
	`<family>monospace</family>`
	`<prefer> <family>Utopia</family> </prefer>`
	`</alias>`
	`<alias>`
	`<family>dialog</family>`
	`<prefer> <family>Utopia</family> </prefer>`
	`</alias>`
	`<alias>`
	`<family>dialoginput</family>`
	`<prefer> <family>Utopia</family> </prefer>`
	`</alias>`
	`</fontconfig>`
	
	Once one of the above workarounds are in place, gridSetup.sh will launch without issue.

Links	1. Note: 2497357.1 – Doc ID: 2497357.1 – gridSetup.sh 18.1+: Returns Without Launching, No Errors Are Displayed
Needs attention on	qzh024703246tsa1
Passed on	–

ahfctl compliance –preupgrade -sanitize

Sanitized hostname

| 8300E0A2FFE48253E053D298EB0A76CC | FAIL | OS Check | The stix-fonts package is installed | All Database Servers | Hide |

Verify stix-fonts RPM

Recommendation	**Benefit / Impact:** gridSetup.sh/runInstaller.sh Fails to Launch No Error Messages. On Linux 7, when the Stix Font package is installed, it is set as the default font package for the OS. This exposes Java <Bug 28522678> resulting in the java.lang.ArrayIndexOutOfBoundsException when initializing the fonts. This subsequently causes gridSetup.sh and runInstaller.sh to fail to launch with no error messages or warnings displayed on the screen. **Risk:** Inability to install or upgrade **Action / Repair:** Workaround #1 – Remove the stix-fonts package: # rpm –e stix-fonts Or you can run ORAchk –repair all –preupgrade –check 8300E0A2FFE48253E053D298EB0A76CC –dbnone –showpass to repair this check on all nodes in cluster Workaround #2 – Modify the Default Font Package as follows: Note: This workaround is applicable to those who have requirements on installation of the stix-fonts package Create a file named /etc/fonts/local.conf with the following contents: <?xml version='1.0'?> <!DOCTYPE fontconfig SYSTEM 'fonts.dtd'> <fontconfig> <alias> <family>serif</family> <prefer> <family>Utopia</family></prefer> </alias> <alias> <family>sans-serif</family> <prefer> <family>Utopia</family></prefer> </alias>

ahfctl compliance –preupgrade -sanitize

	`<alias>`
	`<family>dialoginput</family>`
	`<prefer> <family>Utopia</family></prefer>`
	`</alias>`
	`</fontconfig>`
	
	Once one of the above workarounds are in place, gridSetup.sh will launch without issue.

Links	1. Note: 2497357.1 – Doc ID: 2497357.1 – gridSetup.sh 18.1+: Returns Without Launching, No Errors Are Displayed
Needs attention on	qzh024703246tsa1 **Sanitized hostname**
Passed on	–

Reverse map the sanitization

```
ahfctl compliance -rmap qzh024703246tsa1

_____

| Entity Type  |  Substituted Entity Name  |  Original Entity Name    |
_____

|   hostname   |       qzh024703246tsa1    |       myserver1          |
_____
```