Staying ahead of the game in the world of data

Take our data management assessment and learn what beneficial changes you and your IT department can make

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Take our test

The world of IT generates data in abundance – and the amount of data you and your IT department will have to deal with is only going to increase.

Being properly equipped to manage this data is vital. Wherever your organisation sits on the data management maturity scale, there are always ways to improve, enhance, and evolve. But how do you know what your organisation needs to do to get ahead?

Take our data management assessment and learn what changes you and your IT department can make to boost and benefit your business.

1 How confident are you that your organisation can manage all data to generate meaningful insights?

*Please tick **one** statement below…*

Highly confident	Moderately confident	Neutral	Slightly unconfident	Not confident at all
☐ **4 points**	☐ **3 points**	☐ **2 points**	☐ **1 point**	☐ **0 points**

2 My department extracts insights from data by…

*For the statements below, please tick **all the statements which you think apply to your organisation**…*

using visual dashboards to analyse specific sets of data	using data management strategies	using manual discovery and reporting processes	using AI/ML engines to help discover patterns, trends, and anomalies	having clear ownership and clarity of roles and records
☐ **3 points**	☐ **1 point**	☐ **0 points**	☐ **3 points**	☐ **1 point**

3 My organisation provides…

*For the statements below, please tick **all the statements which you think apply to your organisation**…*

regular employee training on both new and old threats	security workshops mixing people from different business areas	hands-on training on using devices and connections securely	creative incentives to promote best practices on security	security team training on new threat types and best practices	online learnings for record management and data quality processes
☐ **1 point**	☐ **1 point**	☐ **1 point**	☐ **1 point**	☐ **1 point**	☐ **1 point**

How does your organisation stack up? Total up your points to find out.

1 ☐   2 ☐   3 ☐   Total ☐

So, what does this mean for your organisation? Read your relevant section to find out…

17-18 data leader   **10-16** data adopter   **3-9** data follower   **0-2** data laggard

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Data leader

Your organisation is among the most confident in managing the deluge of data to create meaningful insights.

As well as utilising autonomous technologies, your organisation is engaging in proactive initiatives that teach employees about data responsibility.

How do data leaders compare to other organisations?

Your organisation is ahead of 90% of others that fall behind in generating insights from data and correctly managing it, and is empowered to succeed at handling business-critical data.

What is it that puts your organisation among the minority leading the way in data management?

You find the handling of business-critical data your department deals with on a daily basis completely manageable. This leaves you free to do what you do best: innovate, integrate, and implement new technologies and practices (Fig. 1).

This has instilled confidence within your department that the data your organisation holds is secure.

Using automated processes eradicates human error when extracting insights from data, and technology has numerous capabilities to better protect it from harm. Plus, you're able to see the bigger picture (Fig. 2).

You recognise the importance of secure data management to organisational reputation. Those at the bottom of the pack are less likely to agree with you (Fig. 3).

Fig. 1

IT decision-makers who find data generated from the following areas is completely manageable

%

| | 16 | 38 | 55 | 64 |
IT respondents who say the data generated by system logs/monitoring alerts is completely manageable

| | 13 | 37 | 55 | 62 |
IT respondents who say the data generated by service usage is completely manageable

| | 11 | 32 | 50 | 61 |
IT respondents who say the data generated by the IoT and other sensor data is completely manageable

Fig. 2

IT decision-makers who are highly confident that the data held by their organisation is secure

Maturity Group %

Data laggard — 9
Data follower — 34
Data adopter — 57
Data leader — 75

Maturity Group
Data laggard   Data adopter
Data follower   **Data leader**

Fig. 3

IT decision-makers who say secure data management is very important to their organisation's reputation

Maturity Group %

Data laggard — 21
Data follower — 50
Data adopter — 73
Data leader — 90

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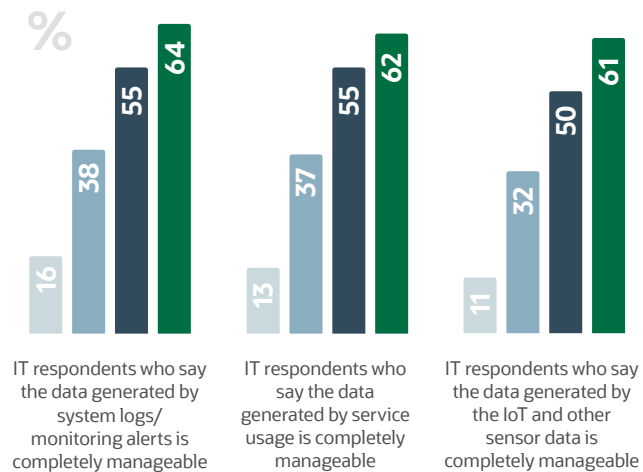
What next for data leaders?

As the amount of data increases, you and your IT department need to stay on top of data management practices.

Here are our top three focus areas for bringing about results.

1

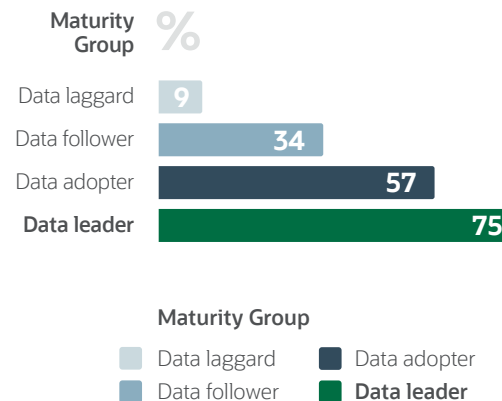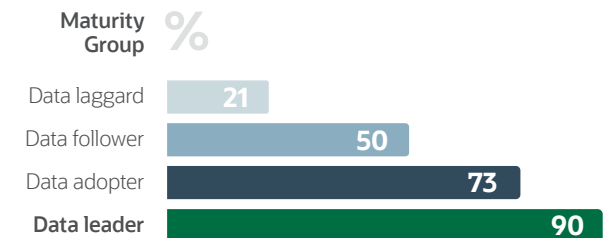**Evaluate your automated technologies at quarterly intervals. Is it doing everything you want it to? Is it going to do everything you want it to in the future?** As the data you deal with grows, technology evaluation will highlight existing and potential gaps. Regularly review your data management processes.

Take a virtual tour of how the Oracle Autonomous Database can help you unleash intelligent connected data for your organisation.

2

Continue to educate your employees. Biannual refresher training of data management best practices will ensure employees remain confident in generating insights as your processes evolve. Ongoing education will empower employees to connect the data and make better-informed decisions to move towards an autonomous future.

Watch this webinar to see how you and the rest of your IT department can transform your roles for the better.

3

Focus on your long-term data goals. Successful data strategies are built on measurable short- and long-term goals that apply to your IT objectives. There remains room to build your strategy upwards. Think holistically and focus on the long-term data management goals for your business as the deluge of data grows.

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Data adopter

Your organisation is well on its way towards data management automation. It has gained confidence in managing data to generate meaningful insights and is engaged in initiatives that teach employees about data responsibility – but there's still room to improve.

How do data adopters compare to other organisations?

Your organisation is ahead of 50% of others in correctly managing data and generating insights. This is a desirable place to be, but you should strive towards the 10% that are in a stronger position.

What is it that puts your organisation towards the front of the pack when it comes to data management?

Data adopter organisations are much more likely to find business-critical data is completely manageable (Fig. 1).

This includes data that your department deals with on a daily basis. Go further by using more automated processes to efficiently manage the deluge of data.

But what is holding you back from being a data leader?

Look at the bigger picture. Data leaders are more likely to understand that having secure data management strategies is vital for reputation (Fig. 2/3).

Fig. 1

IT decision-makers who find data generated from the following areas is completely manageable
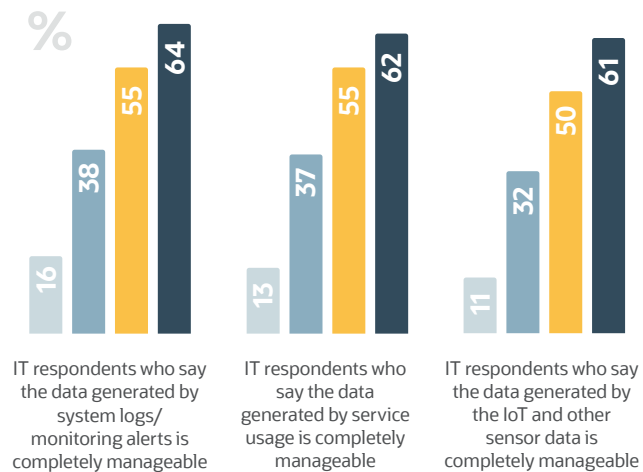
%

	system logs	service usage	IoT/sensor
Data laggard	16	13	11
Data follower	38	37	32
Data adopter	55	55	50
Data leader	64	62	61

IT respondents who say the data generated by system logs/ monitoring alerts is completely manageable

IT respondents who say the data generated by service usage is completely manageable

IT respondents who say the data generated by the IoT and other sensor data is completely manageable

Fig. 2

IT decision-makers who are highly confident that the data held by their organisation is secure

Maturity Group %

Maturity Group	%
Data laggard	9
Data follower	34
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Data leader	75

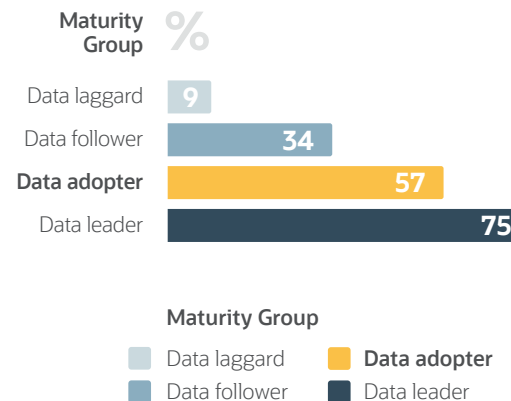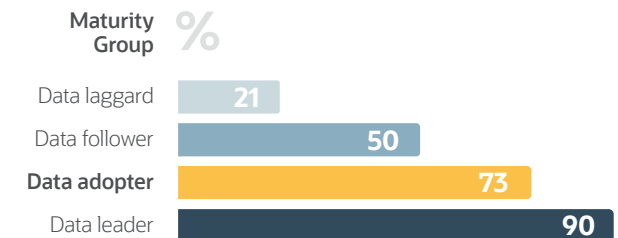**Maturity Group**
- Data laggard
- Data follower
- **Data adopter**
- Data leader

Fig. 3

IT decision-makers who say secure data management is very important to their organisation's reputation

Maturity Group %

Maturity Group	%
Data laggard	21
Data follower	50
Data adopter	73
Data leader	90

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What next for data adopters?

Reputation, educated employees, and the latest autonomous technology are the three key ingredients for jumping that final hurdle.

Here are our top three focus areas for bringing about results.

1

Introducing automated technology for extracting data insights has made your organisation less vulnerable to the risk of data loss through human error. Go further by evaluating your new technologies at quarterly intervals to highlight any remaining gaps in your data management processes and completely eradicate any vulnerabilities.

Take a virtual tour of how the Oracle Autonomous Database can help you unleash intelligent connected data for your organisation.

2

Continue to educate your employees. Providing refresher training at biannual intervals will ensure you keep up with evolving data management requirements. This will take you over the final hurdle to become a data leader, with your employees as confident as possible in dealing with data. Plus their day-to-day routines will involve less manual admin and more time for innovation.

Watch this webinar to see how you and the rest of your IT department can transform your roles for the better.

3

Establish goals for your data. The cornerstone of a successful data strategy is measurable short- and long-term goals that apply to your IT objectives. Think of the bigger picture. Build your strategy upwards and focus on your long-term data management goals to deal with the oncoming deluge of data.

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Data follower

Your organisation is on the road to a more autonomous environment. However, it is still lacking confidence in moving entirely away from manual processes.

You've begun to engage in basic initiatives to educate employees on data responsibility and have made progress, but you're still in the early stages.

How do data followers compare with other organisations?

Your organisation is behind 50% of others when it comes to generating insights from data and correctly managing it. It is vulnerable to human error and potential data loss and you are exposed to more risk than most.

So what are the reasons for this?

You're less likely to be highly confident that all the data your organisation holds is secure (Fig. 2). Tackling security

first will help you manage your data more efficiently, making your department much more comfortable with managing business-critical data (Fig. 1).

You find certain elements of business-critical data unmanageable. You're ahead of data laggards, but there's still a way to go. Aim towards the position of your leading peers.

Fig. 1

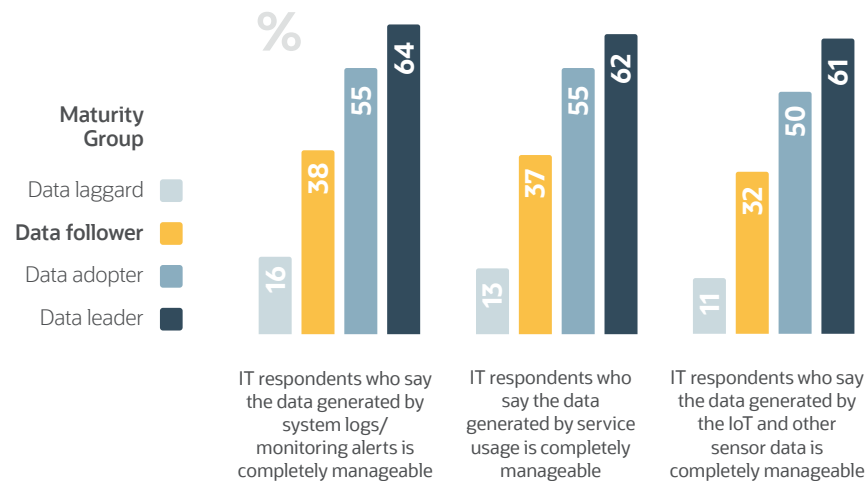*IT decision-makers who find data generated from the following areas is completely manageable*

%

Maturity Group

- Data laggard
- **Data follower**
- Data adopter
- Data leader

	Data laggard	Data follower	Data adopter	Data leader
IT respondents who say the data generated by system logs/ monitoring alerts is completely manageable	16	38	55	64
IT respondents who say the data generated by service usage is completely manageable	13	37	55	62
IT respondents who say the data generated by the IoT and other sensor data is completely manageable	11	32	50	61

Fig. 2

IT decision-makers who are highly confident that the data held by their organisation is secure

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Data laggard	9
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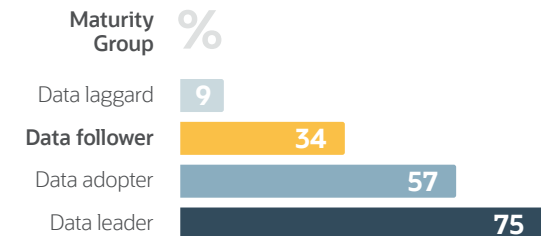
What next for data followers?

Introducing automated processes to generate meaningful insights and increasing accountability will position your organisation towards becoming a data adopter.

Here are our top three focus areas for bringing about results.

1

Continue moving away from manual processes for extracting data insights and towards automated ones. A buyer's groups consisting of managers, C-suite, department heads, and developers is key in evaluating and selecting data-management-solutions providers. This decision process will make you less vulnerable, reduce that risk of data loss through human error, and bring your organisation closer to becoming an adopter.

Take a virtual tour of how the Oracle Autonomous Database can help you unleash intelligent connected data for your organisation.

2

Continue to teach your employees and work with other functions to introduce data management best practices. Ensuring these practices trickle down to everyone in your IT department requires consistent, regular training. Empower your employees to make better-informed decisions to move towards an autonomous future. Not only this, but their day-to-day routines will be changed for the better; less manual admin and more time for innovation.

Watch this webinar to see how you and the rest of your IT department can transform your roles for the better.

3

Establish goals for your data. The cornerstone of a successful data strategy is measurable short- and long-term goals that apply to your IT objectives. Start at the bottom; over the next quarter, tidy up the data you have, deduplicate entries, and run due diligence to ensure it's correct. This will give you the foundations for building confidence with managing data.

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Data laggard

As a data laggard, your organisation is among the least confident in being able to manage the deluge of data to create meaningful insights.

Your department uses lengthy and manual processes to extract these insights; there is a distinct lack of clarity of roles and ownership of roles. Providing training or educating employees on data responsibility is not as high up the priority list as it should be.

How do data laggards compare with other organisations?

Your organisation falls behind 90% of others when it comes to generating and managing data insights. Your manual processes are vulnerable to human error and the risk of data loss is high.

How has this happened?

You are much less likely to say that the data you deal with daily is completely manageable (Fig. 1). Your current processes to uncover and review data insights prevent your organisation from making progress. Moving towards using

automated processes and accepting more accountability for securing data will help you to deal with mounting data.

To improve, you should accept accountability for securing data (Fig. 2). Taking on more responsibility will provide you with more understanding of the data. Employee education and training will push this further.

Fig. 1

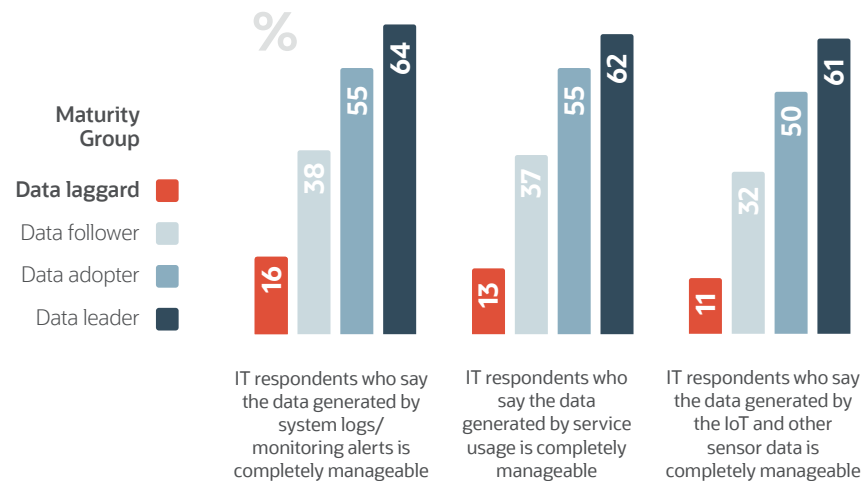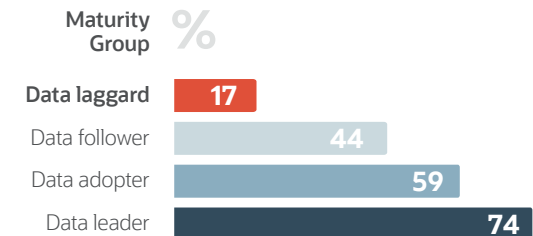*IT decision-makers who find data generated from the following areas is completely manageable*

Maturity Group

- **Data laggard** (red)
- Data follower
- Data adopter
- Data leader

	System logs/monitoring alerts	Service usage	IoT and other sensor data
Data laggard	16	13	11
Data follower	38	37	32
Data adopter	55	55	50
Data leader	64	62	61

IT respondents who say the data generated by system logs/ monitoring alerts is completely manageable

IT respondents who say the data generated by service usage is completely manageable

IT respondents who say the data generated by the IoT and other sensor data is completely manageable

Fig. 2

IT decision-makers who are accountable for securing data

Maturity Group %

Data laggard	17
Data follower	44
Data adopter	59
Data leader	74

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What next for data laggards?

Step away from monotonous data management processes to progress and improve.

Here are our top three focus areas for bringing about results.

1

Move away from manual processes for extracting data insights and towards automated ones. Convene a buyer's group that consists of managers, C-suite, department heads, and developers to evaluate data-management-solutions providers. Remove that risk of human error and start your journey towards becoming a data follower.

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2

Teach your employees. Work with other functions to introduce data management best practices over the next three months. Providing your people with this knowledge will empower them to connect the data to the insights they extract and make better-informed decisions to move towards an autonomous future.

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3

Establish goals for your data. The cornerstone of a successful data strategy is measurable short- and long-term goals. Start at the bottom; over the next quarter, tidy up the data you have, deduplicate entries, and run due diligence to ensure it's correct. This will give you the foundations for building confidence with managing data.

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