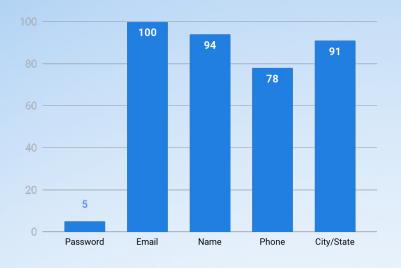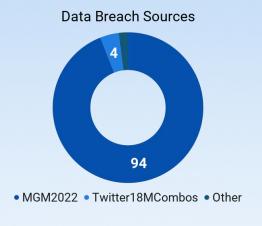# Summary of Findings

The report shows the MGM2022 breach as the leading data source where information was exposed. In May 2022, 142 million records of MGM Resorts International customers were shared on Telegram. This is related to an incident that occurred in 2019, when MGM discovered a breach of guest records. The data was offered for sale on the Dark Web marketplace and Deep Web forums, until recently shared extensively on Telegram. The data exposed includes names, addresses, DOB, as well as 24 million unique email addresses and 30 million unique phone numbers. Through our analysis of the results, it appears that most of the compromised information was related to personal identifiable information (PII), LinkedIn ID, and approximately 5% of emails had their password credentials leaked. We've provided a snapshot of how many times each criteria was exposed and our data source findings. We do encourage you to review the entire data set, which is provided in the later section.

555	**5**	**5**
Total number of exposed information	Total number of exposed credentials with passwords (plain text or hash)	Total number of exposed passwords (plain text or hash) in 2022

Data Breach Sources

● MGM2022 ● Twitter18MCombos ● Other

Recommendations

Enable Multi-Factor Authentication (MFA)

Common practice for an added layer of protection to keep accounts more secure and prevent unauthorized access. Consider a mix of elements like authenticator applications, secure ID tokens, and security questions.

Immediately change password and set a robust password policy

A strong password policy would include at least 10 characters — a combination of uppercase and lowercase letters, numbers, and symbols or special characters.

Embrace cybersecurity awareness training and education

Conduct workshops to educate employees regularly given the evolving cybersecurity threat landscape.

Good email hygiene

Verify opening suspicious emails, take caution with links/attachments/URLs from unrecognized senders, and encourage employees to report suspicious activity to IT.

Patch management on both software and hardware

Emails Leaked	PW Leaked	Date Published	Data Source	Sensitive Information
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
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sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
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sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State
sample@company.com	No	2023-01-01	MGM2022	Email, Name, Phone, City and State

GLOSSARY OF DATA SOURCES

MGM2022: In May 2022, 142 million records of MGM Resorts International customers were shared on Telegram. This is related to an incident that occurred in 2019, when MGM discovered a breach of guest records. The data was offered for sale on the Dark Web marketplace and Deep Web forums, until recently shared extensively on Telegram. The data exposed includes names, addresses, DOB, as well as 24 million unique email addresses and 30 million unique phone numbers.