

Azure Naming Convention

By: Daniel Chronlund
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This Azure naming convention is built on industry best practices and the official naming rules and restrictions for Azure resources.

More information:
<https://docs.microsoft.com/en-us/azure/architecture/best-practices/naming-conventions>

Remember the following:
It is difficult to change a name later.
Names must meet the requirements of their specific resource type.

Category	Entity	Length	Casing	Valid Characters	Pattern	Examples
General	Subscriptions	1-64	Case insensitive	Alphanumeric, underscore, parentheses, hyphen, period	<Company> <Department (optional)> <Environment>	Company Sales Prod Company Sales Test Company IT Prod Company IT Test
General	Resource Groups	1-90	Case insensitive (Lowercase Preferred)	Alphanumeric, underscore, parentheses, hyphen, period (except at end)	<service short name>-<environment>-rg	salestool-prod-rg
General	Tag	512 (name), 256 (value)	Case insensitive (Lowercase Preferred)	Alphanumeric	"key" : "value"	"department" : "Central IT"
Compute	Virtual Machine	1-15 (Windows), 1-64 (Linux)	Case insensitive (Lowercase Preferred)	Alphanumeric and hyphen	If you have an existing server naming convention, use that. If not: <service short name>-<server role>-vm<number>	salestool-sql-vm001
Compute	Availability Set	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, underscore, and hyphen	<service-short-name>-<context>-as	salestool-sql-as
Compute	Function App	1-60	Case insensitive (Lowercase Preferred)	Alphanumeric and hyphen	<name>-func	salestool-func
Storage	Storage Account Name (Data)	3-24	Lowercase	Alphanumeric	<globally unique name><randomnumber>	salestooldata82917
Storage	Storage Account Name (Disks)	3-24	Lowercase	Alphanumeric	<vm name without hyphens>st<number>	salestoolsqlvm001st1
Storage	Container	3-63	Lowercase	Alphanumeric and hyphen	<context>	logs
Storage	Blob	1-1024	Case insensitive (Lowercase Preferred)	Any URL characters	<variable based on blob usage>	<variable based on blob usage>
Storage	Queue	3-63	Lowercase	Alphanumeric and hyphen	<service short name>-<context>-<num>	salestool-messages-001
Storage	Table	3-63	Case insensitive (Lowercase Preferred)	Alphanumeric	<service short name><context>	salestoollogs
Storage	File	3-63	Lowercase	Alphanumeric	<variable based on usage>	<variable based on usage>
Networking	VNet	2-64	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<service short name>-vnet	salestool-vnet
Networking	Subnet	2-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<descriptive context>	web server dmz gateway
Networking	Network Interface	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<vmname>-nic<num>	salestool-sql-vm001-nic1
Networking	Network Security Group	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<service short name>-<context>-nsg	salestool-dmz-nsg
Networking	Network Security Group Rule	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<descriptive context>-<action>	sql-allow rdp-block
Networking	Public IP Address	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<vm or service name>-pip	salestool-pip salestool-sql-vm001-pip
Networking	Load Balancer	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<service or role>-lb	salestool-lb
Networking	Load Balanced Rules Config	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<descriptive context>	http
Networking	Azure Application Gateway	1-80	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, underscore, and period	<service or role>-agw	salestool-agw
Networking	Traffic Manager Profile	1-63	Case insensitive (Lowercase Preferred)	Alphanumeric, hyphen, and period	<descriptive context>	app1