

초격차 패키지 Online.

Boot의 기본기

PART1 | Spring Boot Properties

이걸 안 쓸거면 boot 쓰지 마세요

PART2 | @SpringBootApplication

스프링 부트의 시작점

PART3 | @Component vs. @Configuration

둘의 차이가 뭐야?

PART4 | Configuration Properties

프로퍼티를 설정하는 우아한 방법

Boot의 기본기

1 Spring Boot Properties

Spring Boot Properties

1. Spring Boot Properties

- 스프링 부트의 기본 기능 전체를 튜닝하는 부트 전용 설정 프로퍼티
- classpath:application.properties, application.yml 로 제어 가능
- <https://docs.spring.io/spring-boot/docs/current/reference/html/application-properties.html>

Spring Boot Properties

1. Spring Boot Properties

- 부트의 기능 거의 대부분을 제어 가능
- 기본값이 세팅되어 있어서 심지어 아무 것도 쓰지 않아도 작동함
- 부트를 쓰는데 설정이 자꾸만 별도의 자바 코드로 등장한다?

Core Properties: Logging

1.

Spring Boot Properties

Name	Description	Default Value
debug	Enable debug logs.	FALSE
info.*	Arbitrary properties to add to the info endpoint.	
logging.charset.console	Charset to use for console output.	
logging.charset.file	Charset to use for file output.	
logging.config	Location of the logging configuration file. For instance, `classpath:logback.xml` for Logback.	
logging.exception-conversion-word	Conversion word used when logging exceptions.	%wEx
logging.file.name	Log file name (for instance, `myapp.log`). Names can be an exact location or relative to the current directory.	
logging.file.path	Location of the log file. For instance, `/var/log`.	
logging.group.*	Log groups to quickly change multiple loggers at the same time. For instance, `logging.group.db=org.hibernate,org.springframework.jdbc`.	
logging.level.*	Log levels severity mapping. For instance, `logging.level.org.springframework=DEBUG`.	
logging.logback.rollingpolicy.clean-history-on-start	Whether to clean the archive log files on startup.	FALSE
logging.logback.rollingpolicy.file-name-pattern	Pattern for rolled-over log file names.	\${LOG_FILE}-%d{yyyy-MM-dd}-%i.gz
logging.logback.rollingpolicy.max-file-size	Maximum log file size.	10MB
logging.logback.rollingpolicy.max-history	Maximum number of days archive log files are kept.	7
logging.logback.rollingpolicy.total-size-cap	Total size of log backups to be kept.	0B
logging.pattern.console	Appender pattern for output to the console. Supported only with the default Logback setup.	%clr(%d{\${LOG_DATEFORMAT_PATTERN:-yyyy-MM-dd HH:mm:ss.SSS}}){faint} %clr(\${LOG_LEVEL_PATTERN:-%5p}) %clr(\${PID:- }){magenta} %clr(---){faint} %clr([%15.15t]){faint} %clr(%-40.40logger{39}){cyan} %clr(:){faint} %m%n\${LOG_EXCEPTION_CONVERSION_WORD:-%wEx}
logging.pattern.dateformat	Appender pattern for log date format. Supported only with the default Logback setup.	yyyy-MM-dd HH:mm:ss.SSS
logging.pattern.file	Appender pattern for output to a file. Supported only with the default Logback setup.	%d{\${LOG_DATEFORMAT_PATTERN:-yyyy-MM-dd HH:mm:ss.SSS}} \${LOG_LEVEL_PATTERN:-%5p} \${PID:- } --- [%t] %-40.40logger{39} : %m%n\${LOG_EXCEPTION_CONVERSION_WORD:-%wEx}
logging.pattern.level	Appender pattern for log level. Supported only with the default Logback setup.	%5p
logging.register-shutdown-hook	Register a shutdown hook for the logging system when it is initialized. Disabled automatically when deployed as a war file.	TRUE

Cache Properties

1.

Spring Boot Properties

Name	Description	Default Value
spring.cache.cache-names	Comma-separated list of cache names to create if supported by the underlying cache manager. Usually, this disables the ability to create additional caches on-the-fly.	
spring.cache.caffeine.spec	The spec to use to create caches. See CaffeineSpec for more details on the spec format.	
spring.cache.couchbase.expiration	Entry expiration. By default the entries never expire. Note that this value is ultimately converted to seconds.	
spring.cache.ehcache.config	The location of the configuration file to use to initialize EhCache.	
spring.cache.infinispan.config	The location of the configuration file to use to initialize Infinispan.	
spring.cache.jcache.config	The location of the configuration file to use to initialize the cache manager. The configuration file is dependent of the underlying cache implementation.	
spring.cache.jcache.provider	Fully qualified name of the CachingProvider implementation to use to retrieve the JSR-107 compliant cache manager. Needed only if more than one JSR-107 implementation is available on the classpath.	
spring.cache.redis.cache-null-values	Allow caching null values.	TRUE
spring.cache.redis.enable-statistics	Whether to enable cache statistics.	FALSE
spring.cache.redis.key-prefix	Key prefix.	
spring.cache.redis.time-to-live	Entry expiration. By default the entries never expire.	
spring.cache.redis.use-key-prefix	Whether to use the key prefix when writing to Redis.	TRUE

JSON Properties

1.

Spring Boot Properties

Name	Description	Default Value
spring.gson.date-format	Format to use when serializing Date objects.	
spring.gson.disable-html-escaping	Whether to disable the escaping of HTML characters such as '<', '>', etc.	
spring.gson.disable-inner-class-serialization	Whether to exclude inner classes during serialization.	
spring.gson.enable-complex-map-key-serialization	Whether to enable serialization of complex map keys (i.e. non-primitives).	
spring.gson.exclude-fields-without-expose-annotation	Whether to exclude all fields from consideration for serialization or deserialization that do not have the "Expose" annotation.	
spring.gson.field-naming-policy	Naming policy that should be applied to an object's field during serialization and deserialization.	
spring.gson.generate-non-executable-json	Whether to generate non executable JSON by prefixing the output with some special text.	
spring.gson.lenient	Whether to be lenient about parsing JSON that doesn't conform to RFC 4627.	
spring.gson.long-serialization-policy	Serialization policy for Long and long types.	
spring.gson.pretty-printing	Whether to output serialized JSON that fits in a page for pretty printing.	
spring.gson.serialize-nulls	Whether to serialize null fields.	
spring.jackson.date-format	Date format string or a fully-qualified date format class name. For instance, `yyyy-MM-dd HH:mm:ss`.	
spring.jackson.default-property-inclusion	Controls the inclusion of properties during serialization. Configured with one of the values in Jackson's JsonInclude.Include enumeration.	
spring.jackson.deserialization.*	Jackson on/off features that affect the way Java objects are deserialized.	
spring.jackson.generator.*	Jackson on/off features for generators.	
spring.jackson.locale	Locale used for formatting.	
spring.jackson.mapper.*	Jackson general purpose on/off features.	
spring.jackson.parser.*	Jackson on/off features for parsers.	
spring.jackson.property-naming-strategy	One of the constants on Jackson's PropertyNamingStrategies. Can also be a fully-qualified class name of a PropertyNamingStrategy implementation.	
spring.jackson.serialization.*	Jackson on/off features that affect the way Java objects are serialized.	
spring.jackson.time-zone	Time zone used when formatting dates. For instance, "America/Los_Angeles" or "GMT+10".	

Data Properties

1.

Spring Boot Properties

Name	Description	Default Value
spring.data.jpa.repositories.bootstrap-mode	Bootstrap mode for JPA repositories.	default
spring.data.jpa.repositories.enabled	Whether to enable JPA repositories.	TRUE
spring.data.rest.default-media-type	Content type to use as a default when none is specified.	
spring.data.rest.default-page-size	Default size of pages.	
spring.data.rest.detection-strategy	Strategy to use to determine which repositories get exposed.	default
spring.data.rest.enable-enum-translation	Whether to enable enum value translation through the Spring Data REST default resource bundle.	
spring.data.rest.limit-param-name	Name of the URL query string parameter that indicates how many results to return at once.	
spring.data.rest.max-page-size	Maximum size of pages.	
spring.data.rest.page-param-name	Name of the URL query string parameter that indicates what page to return.	
spring.data.rest.return-body-on-create	Whether to return a response body after creating an entity.	
spring.data.rest.return-body-on-update	Whether to return a response body after updating an entity.	
spring.data.rest.sort-param-name	Name of the URL query string parameter that indicates what direction to sort results.	
spring.data.web.pageable.default-page-size	Default page size.	20
spring.data.web.pageable.max-page-size	Maximum page size to be accepted.	2000
spring.data.web.pageable.one-indexed-parameters	Whether to expose and assume 1-based page number indexes. Defaults to "false", meaning a page number of 0 in the request equals the first page.	FALSE
spring.data.web.pageable.page-parameter	Page index parameter name.	page
spring.data.web.pageable.prefix	General prefix to be prepended to the page number and page size parameters.	
spring.data.web.pageable.qualifier-delimiter	Delimiter to be used between the qualifier and the actual page number and size properties.	_
spring.data.web.pageable.size-parameter	Page size parameter name.	size
spring.data.web.sort.sort-parameter	Sort parameter name.	sort

Data Properties

1.

Spring Boot Properties

Name	Description	Default Value
spring.jpa.database	Target database to operate on, auto-detected by default. Can be alternatively set using the "databasePlatform" property.	
spring.jpa.database-platform	Name of the target database to operate on, auto-detected by default. Can be alternatively set using the "Database" enum.	
spring.jpa.defer-datasource-initialization		FALSE
spring.jpa.generate-ddl	Whether to initialize the schema on startup.	FALSE
spring.jpa.hibernate.ddl-auto	DDL mode. This is actually a shortcut for the "hibernate.hbm2ddl.auto" property. Defaults to "create-drop" when using an embedded database and no schema manager was detected. Otherwise, defaults to "none".	
spring.jpa.hibernate.naming.implicit-strategy	Fully qualified name of the implicit naming strategy.	
spring.jpa.hibernate.naming.physical-strategy	Fully qualified name of the physical naming strategy.	
spring.jpa.hibernate.use-new-id-generator-mappings	Whether to use Hibernate's newer IdentifierGenerator for AUTO, TABLE and SEQUENCE. This is actually a shortcut for the "hibernate.id.new_generator_mappings" property. When not specified will default to "true".	
spring.jpa.mapping-resources	Mapping resources (equivalent to "mapping-file" entries in persistence.xml).	
spring.jpa.open-in-view	Register OpenEntityManagerInViewInterceptor. Binds a JPA EntityManager to the thread for the entire processing of the request.	TRUE
spring.jpa.properties.*	Additional native properties to set on the JPA provider.	
spring.jpa.show-sql	Whether to enable logging of SQL statements.	FALSE
spring.transaction.default-timeout	Default transaction timeout. If a duration suffix is not specified, seconds will be used.	
spring.transaction.rollback-on-commit-failure	Whether to roll back on commit failures.	

Data Migration Properties

1.

Spring Boot Properties

Name	Description	Default Value
spring.sql.init.continue-on-error	Whether initialization should continue when an error occurs.	FALSE
spring.sql.init.data-locations	Locations of the data (DML) scripts to apply to the database.	
spring.sql.init.encoding	Encoding of the schema and data scripts.	
spring.sql.init.mode	Mode to apply when determining whether initialization should be performed.	embedded
spring.sql.init.password	Password of the database to use when applying initialization scripts (if different).	
spring.sql.init.platform	Platform to use in the default schema or data script locations, schema-\${platform}.sql and data-\${platform}.sql.	all
spring.sql.init.schema-locations	Locations of the schema (DDL) scripts to apply to the database.	
spring.sql.init.separator	Statement separator in the schema and data scripts.	;

그 밖에...

- 웹 설정
- 템플릿 엔진 설정
- 서버 설정
- 시큐리티 설정
- Actuator 설정
- Devtools 설정
- Testing 설정

1. Spring Boot Properties